

# Owner's Operating Service Instruction Manual

10¢

**Model Nos.**  
**136-390A**  
**136-395A**

- **ASSEMBLY**
- **OPERATION**
- **REPAIR PARTS**

**30" RIDING MOWERS**

# IMPORTANT

It is suggested that this manual be read in its entirety before attempting to assemble or operate. Keep this manual in a safe place for future reference and for ordering replacement parts.

This unit is shipped WITHOUT GASOLINE or OIL. After assembly, see operating section of this manual for proper fuel and amount.

## SAFE OPERATION PRACTICES FOR RIDING VEHICLES

1. Know the controls and how to stop quickly—**READ THE OWNER'S MANUAL.**
2. Do not allow children to operate vehicle. Do not allow adults to operate it without proper instruction.
3. Do not carry passengers. **Keep children and pets a safe distance away.**
4. Clear work area of objects which might be picked up and thrown.
5. Disengage all attachment clutches and shift into neutral before attempting to start engine.
6. Disengage power to attachment(s) and stop engine before leaving operator position.
7. Disengage power to attachment(s) and stop engine before making any repairs or adjustments.
8. Disengage power to attachment(s) when transporting or not in use.
9. Take all possible precautions when leaving vehicle unattended such as disengaging power-take-off, lowering attachments, shifting into neutral, setting parking brake, stopping engine and removing key.
10. Do not stop or start suddenly when going uphill or downhill. Mow up and down face of steep slopes; never across the face.
11. Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
12. Stay alert for holes in terrain and other hidden hazards.
13. Use care when pulling loads or using heavy equipment.
  - A. Use only approved drawbar hitch points.
  - B. Limit loads to those you can safely control.
  - C. Do not turn sharply. Use care when backing.
  - D. Use counterweight(s) or wheel weights when suggested in owner's manual.
14. Watch out for traffic when crossing or near roadways.
15. When using any attachments never direct discharge of material toward bystanders nor allow anyone near vehicle while in operation.
16. Handle gasoline with care—it is highly flammable.
  - A. Use approved gasoline container.
  - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors. Wipe up spilled gasoline.
  - C. Open doors if engine is run in garage—exhaust fumes are dangerous. Do not run engine indoors.
17. Keep the vehicle and attachments in good operating condition, and keep safety devices in place. Use guards as instructed in owner's manual.
18. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
19. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
20. To reduce fire hazard keep engine free of grass, leaves or excessive grease.
21. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
22. Do not change the engine governor settings or overspeed the engine.
23. When using the vehicle with mower, proceed as follows:
  - (1) Mow only in daylight or in good artificial light.
  - (2) Never make a cutting height adjustment while engine is running if operator must dismount to do so.
  - (3) Shut engine off when removing grass catcher and/or unclogging chute.
  - (4) Check blade mounting bolts for proper tightness at frequent intervals.
24. Check grass catcher bags frequently for wear or deterioration. Replace with new bags for safety protection.
25. Look behind to make sure the area is clear before placing the transmission in reverse and backing up.

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GRASS CATCHER Model No. 196-015A is available as optional equipment for the mowers shown in this manual.



The mower should not be operated without the entire grass catcher or chute deflector in place.



Under normal usage bag material is subject to wear, and should be checked periodically. Be sure any replacement bag complies with the manufacturer's recommendations. For replacement bags, use only factory authorized replacement bag No. 764-0121.



After striking a foreign object, stop the engine. Remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

The steering wheel and seat, with the necessary hardware, are easily assembled to the machine. On the electric starter models, the battery must be activated and installed as outlined in this section.

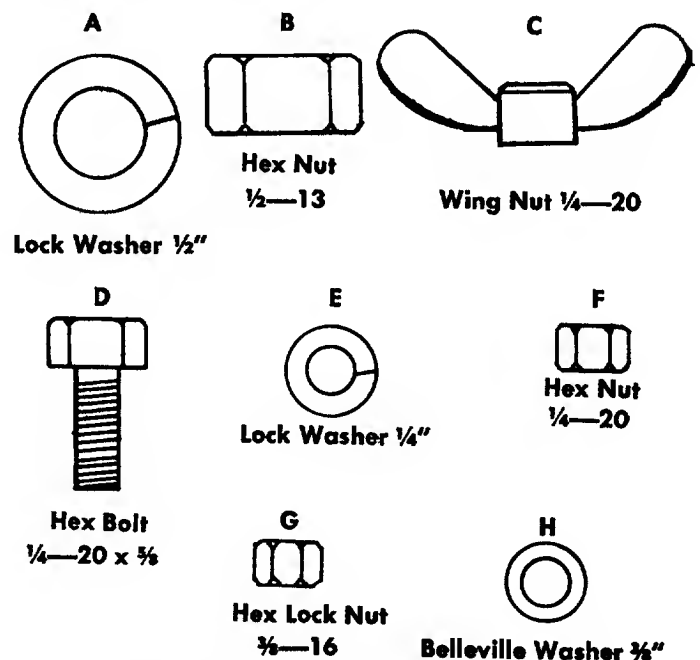
## TIRE PRESSURE

**FOR SHIPPING PURPOSES, THE TIRES ON YOUR UNIT MAY BE OVER-INFLATED. TIRE PRESSURE SHOULD BE REDUCED BEFORE UNIT IS PUT INTO OPERATION. PRESSURE SHOULD BE APPROXIMATELY 15 P.S.I. EQUAL TIRE PRESSURE SHOULD BE MAINTAINED ON ALL TIRES. MAXIMUM TIRE PRESSURE IS 30 P.S.I.**

## ASSEMBLY

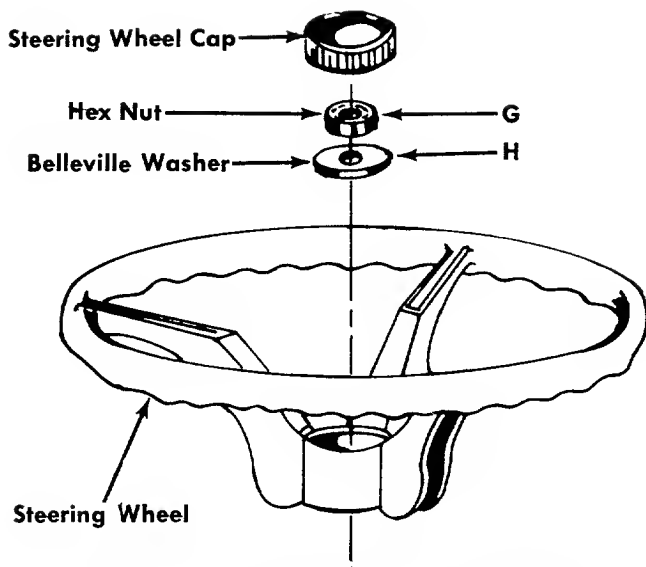


Reference to right-hand or left-hand side of machine is from the driver's seat facing forward.



**FIGURE 1. HARDWARE SUPPLIED**

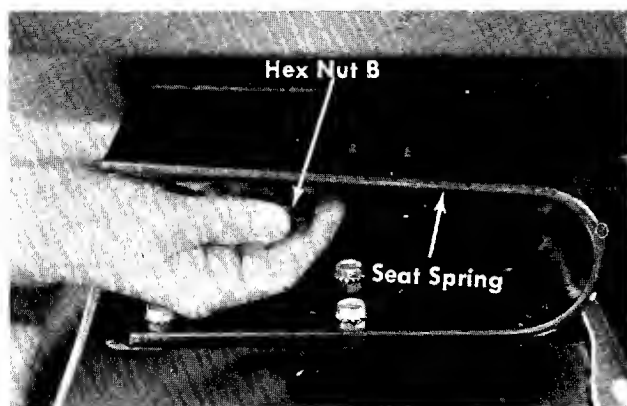
- Step 1. Remove the lawn mower and all parts from the carton. Make certain that all loose parts and literature have been removed before the carton is discarded.
- Step 2. Place steering wheel over steering shaft.
- Step 3. Secure with Belleville washer and hex nut. See figure 2.
- Step 4. Press the cap on the steering wheel by hand. See figure 2.



**FIGURE 2. STEERING WHEEL ASSEMBLY**

Step 5. Your molded seat comes with the mounting bolt molded in the seat.

- A. Select one of three hole locations on seat spring.
- B. Place seat on spring and secure with lockwasher (A) and hex nut (B). See figures 1 and 3.



**FIGURE 3. SEAT ASSEMBLY**

**NOTE**  
Check **all** nuts and bolts for correct tightness.

#### BATTERY INFORMATION FOR ELECTRIC START MODELS



- A. Battery acid must be handled with great care as it will blister the skin and damage clothing. It is advisable to wear goggles, rubber gloves, and a protective apron when working with it.

- B. Neutralize acid spilled on clothing with dilute ammonia water or a water solution of baking soda. If acid gets on clothes, dilute it with clean water first, then neutralize.
- C. If for any reason acid should be spattered in the eyes, wash it out immediately with clean cold water. Seek medical aid if discomfort continues.
- D. Since battery acid is corrosive to metals, do not pour into any sink or drain. Rinse empty electrolyte containers and mutilate before discarding.



**BATTERIES CONTAIN SULFURIC ACID MAY CONTAIN EXPLOSIVE GASES (when electrolyte has been added)**

- A. Keep sparks, flame, cigarettes away.
- B. Hydrogen gas is generated during charging and discharging.
- C. Ventilate when charging or using in enclosed space.
- D. When using a charger—to avoid sparks—NEVER connect or disconnect charger clips to battery while charger is turned on.
- E. Always shield eyes, protect skin and clothing when working near batteries.

#### A. Activating the Battery

1. Place battery to be filled on bench or workbench. NEVER activate battery in unit. Remove vent caps from all cells.
2. Fill each cell carefully using battery grade 1.250—1.265 specific gravity. Sulfuric acid to be 3/8" above the top of the separators or to the split ring.
3. Allow battery to set for 20 minutes to 1/2 hour. Add additional acid if necessary to bring it up to the proper level.
4. Replace the vent caps.
5. The battery can now be charged after the 20 minutes setting period. Battery can be SLOW CHARGED (DO NOT FAST CHARGE) at a maximum bench rate of 4-5 amperes until the specific gravity reading is 1.265—1.275. A charging rate in excess of this will buckle and warp the positive plates and perforate the separators. If electrolyte bubbles violently while charging, reduce charging rate until excessive bubbling action subsides, then continue charging until specific gravity is reached.



### **CAUTION**

After the battery has been in service, add only approved water. DO NOT ADD ACID.

#### **B. To Install Battery**

To install the battery in this unit, refer to next column.

#### **C. Maintenance**

1. Check periodically (every two weeks or before and after charging) to be sure electrolyte level is 9/16" above separator plates. Add only distilled water or good quality drinking water. NEVER add additional acid or other chemicals to battery after initial activation.
2. The battery should be checked with a hydrometer after every 25 hours of operation. If the specific gravity is less than 1.225 remove battery and recharge.
3. Coat the terminals and exposed wiring with a thin coat of grease or petroleum jelly for longer service and protection against electrolyte corrosion.
4. The battery should be kept clean. Any deposits of acid should be neutralized with soda and water. Be careful not to get this solution in the cells.

#### **D. Storage**

1. Charge battery using normal methods. NEVER store discharged battery as it will not recover.
2. Store in cold, dry place.
3. Recharge battery whenever the specific gravity is less than 1.225 before returning to service or every two months, whichever occurs first.

#### **E. Common Causes for Battery Failure Are:**

1. Overcharging
2. Undercharging
3. Lack of water
4. Loose hold downs and /or corroded connections
5. Excessive loads
6. Battery electrolyte substitutes
7. Freezing of electrolyte



### **NOTE**

THESE FAILURES DO NOT CONSTITUTE WARRANTY.

### **LIMITED WARRANTY**

For ninety (90) days of original retail purchase, the battery carries a limited warranty against faulty material or workmanship by the battery manufacturer.

## **INSTALL THE BATTERY**

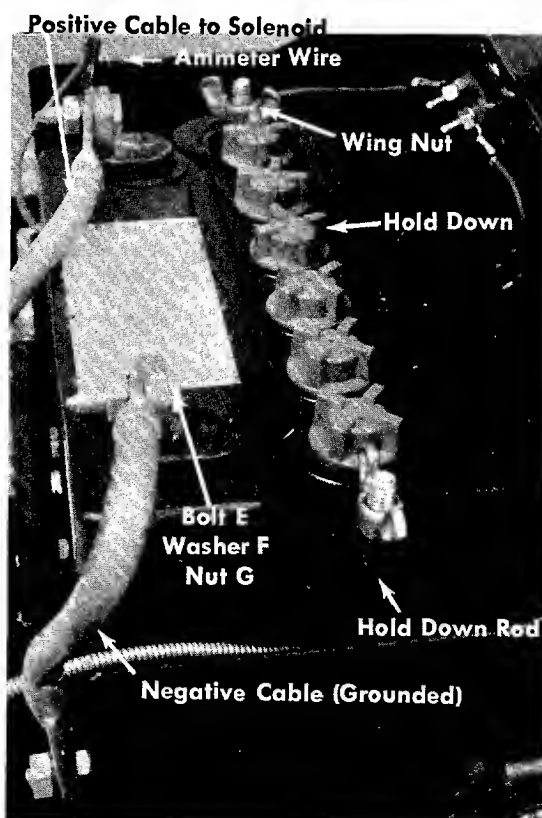
- A. Open the hood of the mower.
- B. Place the battery with the terminals to the FRONT in the battery case. See figure 4.
- C. Hook both hold-down rods under the battery case and place the hold down over the battery caps and secure with wing nuts D.



### **CAUTION**

Be sure the flared edge of the hold down is facing up to avoid damage to the battery.

- D. Attach the free end of the positive cable and the small wire from the ammeter, to the positive battery terminal with bolt E, washer F and nut G. The battery terminal is marked +.
- E. Attach the free end of the negative cable to the negative terminal with bolt E, washer F and nut G. Battery terminal is marked -.



**FIGURE 4. INSTALLING THE BATTERY**

## CONTROLS (See figure 5.)

This manual should be read in its entirety before you operate your Riding Mower. The more you know and understand about the machine and its operation, the better job it will do for you. While reading the manual, compare the illustrations with your mower to familiarize yourself with the locations of various controls, lubrication points, attachments and adjustment features.

Study the operating instructions and safety precautions thoroughly to insure proper functioning of your mower and to prevent injury to yourself and others. Be sure to save this manual for future reference.

### THROTTLE CONTROL

The throttle control is used to regulate the engine speed and to activate the choke on the engine. To get maximum efficiency from cutting, the throttle should be in the FAST position when operating the mower. Pushing the throttle all the way forward, past FAST will choke the engine. See figure 5.

### IGNITION KEY

**Recoil Model.** The key must be turned to the ON position before you pull the recoil handle to start the engine. Remove the key when the mower is not in use. Turn the key to the left to the OFF position to stop the engine. See figure 10.

**Electric Model.** The key must be turned to the START position to start the engine. After the engine is running let the key return to the ON position. Remove the key when the mower is not in use. Turn the key to the OFF position to stop the engine. See figure 5.

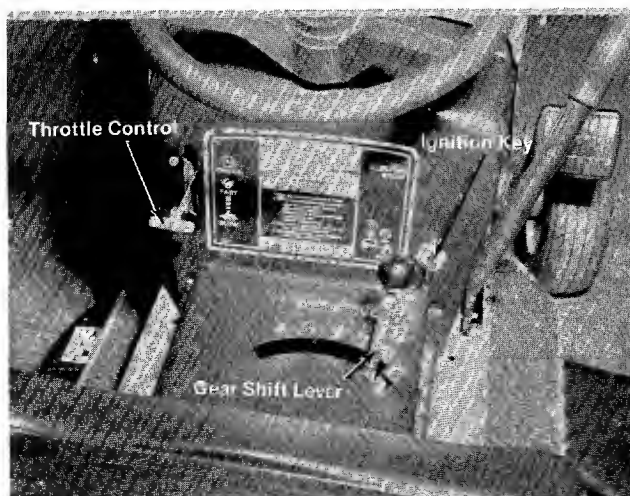


FIGURE 5. CONTROLS

## INTERLOCKS (Not Shown)

An interlock safety switch is located on the clutch pedal and the lift and disengagement lever.

The clutch pedal must be depressed all the way down and can be locked and the lift and disengagement lever must be in the disengaged position before the engine can be started.

On the recoil start model, the ignition will be grounded and on the electric start model, the starter will not run.

### BRAKE

The brake pedal is located on the right hand side of the mower and is operated by depressing it with your right foot. See figure 6.

### BRAKE LOCK

The brake lock is located on the right hand side of the mower. To lock the brake, depress the brake pedal and lift up the lock button. The pedal will stay depressed. To release, depress the brake pedal. Always lock the brake when you park the mower. See figure 6.

### CLUTCH

The clutch pedal is located on the left hand side of the mower and is operated with your left foot. Depress the pedal to disengage the drive mechanism. Release the clutch slowly to engage. The clutch and brake pedals must both be depressed when stopping the mower. When shifting gears, the clutch pedal must be disengaged and the mower cannot be moving. See figure 7.

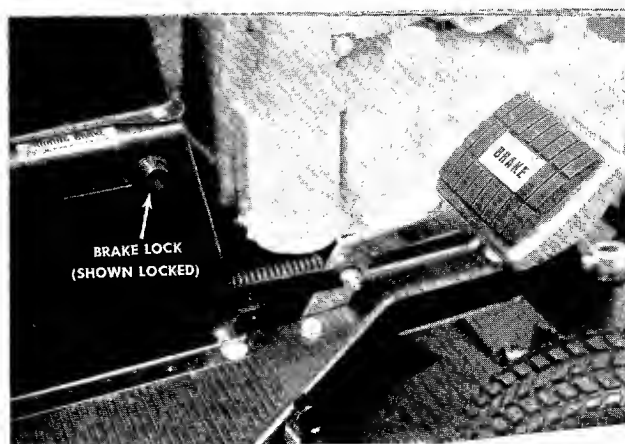


FIGURE 6. BRAKE AND BRAKE LOCK

## CLUTCH LOCK

When the clutch pedal is depressed all the way it can be locked by lifting up the lock button. The pedal will stay depressed. To release, depress the pedal. See figure 7.



The clutch pedal must be depressed to start the engine.

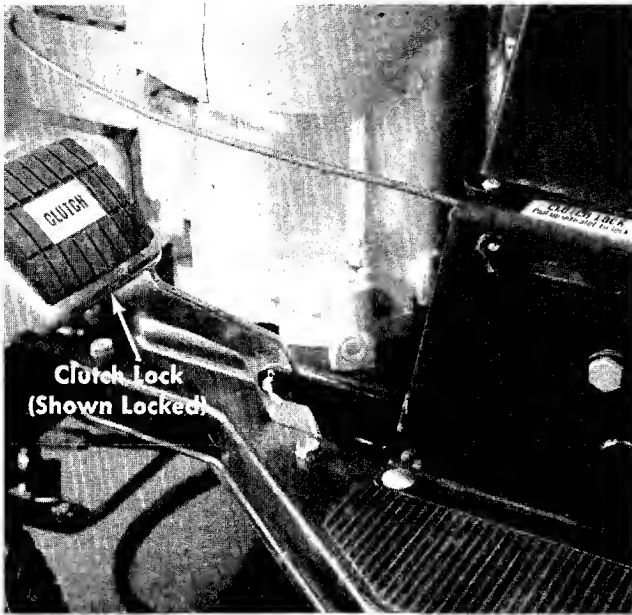


FIGURE 7. CLUTCH AND CLUTCH LOCK

## GEAR SHIFT LEVER

**Four Speed**—The four speed transmission has four forward speeds, neutral and reverse. The clutch pedal must be repressed to shift gears. It may be necessary to release the clutch pedal slightly to shift the gear shift lever. Do not force the shift lever.

- 1st Gear—Heavy Cutting
- 2nd Gear—Medium Cutting
- 3rd Gear—Medium Cutting
- 4th Gear—Light Cutting or Travel Gear
- N—Neutral
- R—Reverse

See figures 5 and 8.

## STARTING INSTRUCTIONS

- Lock-out clutch
- Set throttle
- Disengage blade
- Turn key to on position
- Pull rope to start
- Return rope handle to lock

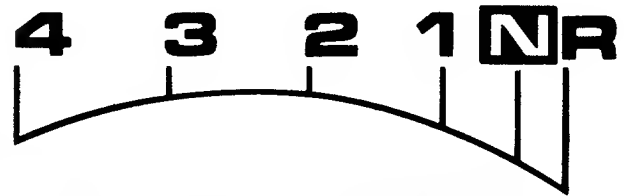


FIGURE 8. FOUR SPEED TRANSMISSION

## RECOIL STARTER HANDLE

The recoil starter handle is located on the right side of the dashboard. The recoil starter handle can either be pulled while seated on the rider or pulled while standing behind the rider. The ignition key must be on before the engine will start. After the engine starts, the recoil starter handle must be returned and locked into the dashboard before the blade or clutch are engaged. The engine will stop if you do not follow these instructions. See figure 9.

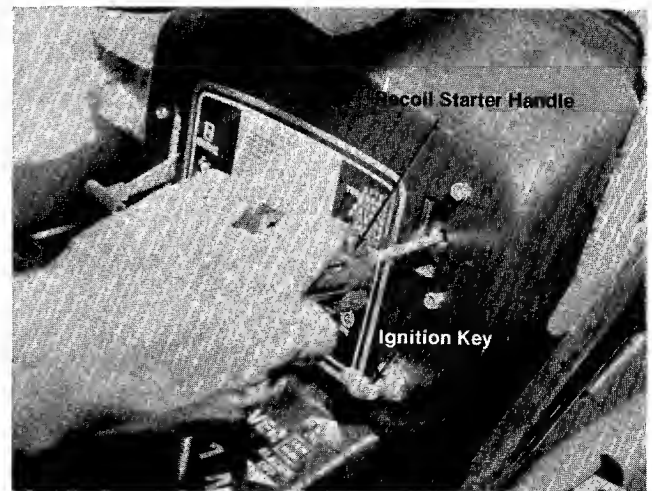


FIGURE 9. RECOIL STARTER

## LIFT AND DISENGAGEMENT LEVER

It is used to raise the cutting deck. Pulling it all the way back and locking it disengages the blade.



**FIGURE 10. HEIGHT OF CUT SETTINGS**



The engine will not start unless the lift and disengagement lever is in the disengaged position. See figure 10.

## **CUTTING CONTROLS**

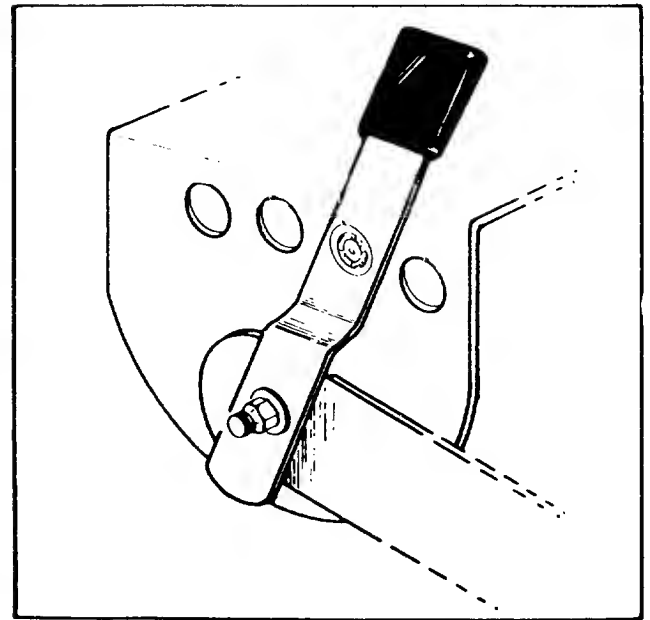
The cutting controls consist of the height of cut stop and the wheel height adjusters.

**Height of Cut Stop.** See figure 10. Lift the stop and set it at the desired cutting height. Allow the lift and disengagement lever to come forward to rest against the height of cut stop.

**Wheel Height Adjuster.** Move the lever towards the wheel and set it in the desired cutting height position. See figure 11. Both wheels must be in the same relative position.

## **SETTING THE CUTTING HEIGHT**

The cutting height of the mower can be set in two different ways: Full Float position where the deck follows the contour of the ground, and the Suspended position where the deck hangs from the frame of the rider. The suspended position is normally used for cutting rough uneven ground.



**FIGURE 11 WHEEL HEIGHT ADJUSTER**

**To set the cutting deck in the full float position:** set the wheel height adjusters in the desired cutting height as indicated in figure 11. Set height of cut stop in the lowest position. See figure 10.

**To set the cutting deck in the suspended position:** set the height of cut stop in the desired cutting height and then set the deck wheel so they just clear the ground.



Parking Brake **must** be disengaged before unit is put into motion.



Unit is equipped with separate brake and clutch pedals. To efficiently stop, it is necessary to disengage clutch when applying brakes.



# OPERATING INSTRUCTIONS



## CAUTION

1. Keep all shields and guards in place.
2. Before leaving operator's position:
  - Shift controls into neutral
  - Set parking brake
  - Disengage attachment drive
  - Shut off engine
  - Remove ignition key
3. Wait for all movement to stop before servicing machine.
4. Keep people and pets a safe distance away from machine.

## STARTING THE ENGINE

1. Be sure the crankcase is filled with oil as recommended in the engine manual and put regular gasoline in the gasoline tank.
2. If the engine is equipped with a fuel shut off valve, be sure it is open.
3. Attach the wire to the spark plug.
4. Depress the clutch pedal and lock it down with the speed control lever.
5. Move the lift and disengagement lever backward to the disengaged position and lock it.
6. Set the throttle control lever in the CHOKE position.
7. **Recoil Model.** Turn the ignition key to the ON position, twist the recoil starter handle until it is free and pull it with a quick steady motion. After the engine starts, return the recoil starter handle and twist it until it locks. See figures 9 and 12.



## NOTE

The engine will stop when clutch or blades are engaged if this procedure is not followed.

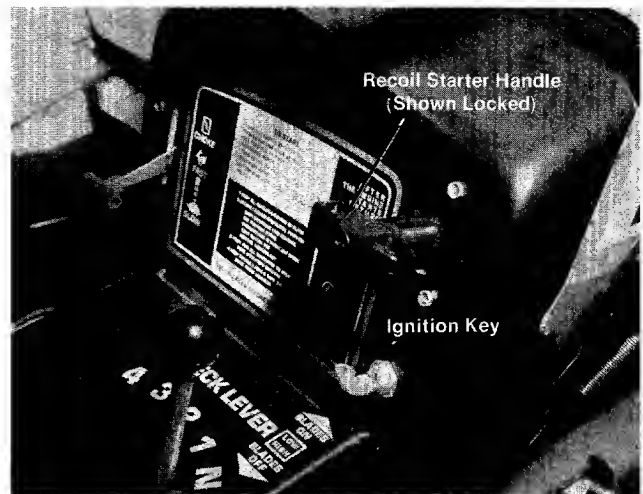


FIGURE 12. RECOIL STARTER

**Electric Start Model.** Turn the ignition key to the START position. As soon as the engine starts let the key return to the ON position. See figure 5.

Slowly return the throttle to the running position as soon as the engine starts.

8. To stop either model, turn the ignition key to the OFF position and remove the key when the unit is not in use.

## PUTTING THE RIDER IN MOTION

1. Advance the throttle control from  $\frac{3}{4}$  to full throttle to prevent strain on the engine and to operate the cutting blades.
2. Depress the clutch pedal so the clutch lock releases.
3. Place the gear shift lever in the number 1 position on the four speed unit.
4. Slowly release the clutch pedal.
5. To stop the unit, depress the clutch pedal and the brake pedal.
6. The blade can be engaged either while moving or while standing still. Move the lift and disengagement lever forward slowly until the blade is running.



## NOTE

As you become more familiar with the four speed transmission, stop the unit and shift into a higher gear.

## STOPPING

**Engine**—Turn the ignition key to the left to the OFF position.

**Rider**—Depress the clutch and brake pedals.

**Blades**—Move the lift and disengagement lever all the way to the rear and lock it.

# MAINTENANCE

## CRANKCASE OIL

To ensure maximum engine performance, perform the following periodic maintenance:

**Check oil level** before starting engine and after every 5 hours of operation. Be sure oil level is maintained to FULL POINT OF OVERFLOWING or to FULL MARK on dipstick.

**Change Oil** after first 5 hours of operation. Thereafter change oil every 25 hours of operation. Remove oil drain plug and drain oil while engine is warm. Replace drain plug. Remove dipstick or filler plug and refill with new oil of proper grade. Replace dipstick or plug.

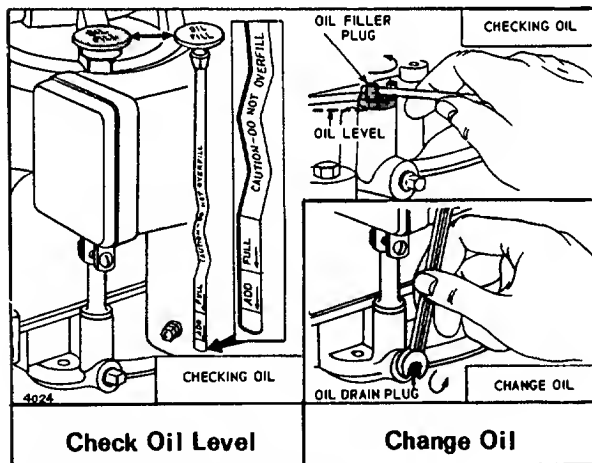


FIGURE 13. CHECKING OIL



### NOTE

To insure safe operation, ALL nuts and bolts must be checked periodically for correct tightness.

## MOWER DECK

The underside of the mower deck should be cleaned after each period of use as grass clippings, leaves, dirt and other matter will accumulate. This accumulation of grass clippings, etc., is undesirable as it will invite rust and corrosion and may cause an uneven discharge of grass clippings at the next mowing.

The deck may be cleaned by tilting the mower on its rear wheels. Scrape clean with a suitable tool or by washing with a stream of water from a garden hose.

Be sure to disconnect the spark plug wire and ground it while performing this maintenance.

## BLADES



**WARNING**

Disconnect the spark plug wire and remove the ignition key before removing the blades.

Sharp and balanced blades are essential for efficient mowing and long mower and engine life. When sharpening blades, file equal amounts of metal from each side. The blades should be balanced before they are reinstalled. An unbalanced blade will cause excessive vibration and undue wear on the mower and the engine. When reassembling, all parts must be installed in the proper order and fastened securely.

Remove the 3/8" bolt and lockwasher. Pull the blade and adapter off the mower deck. To remove the adapter from the blade, remove the two 5/16" bolts, lockwashers and nuts. See figure 14.

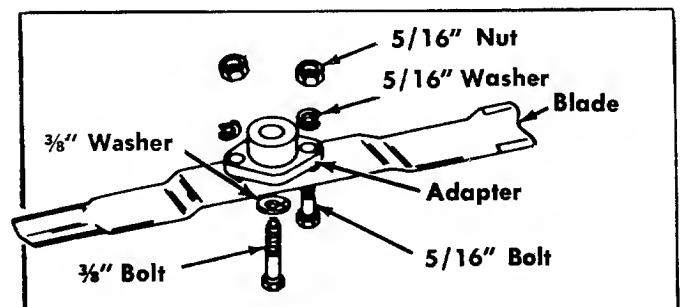
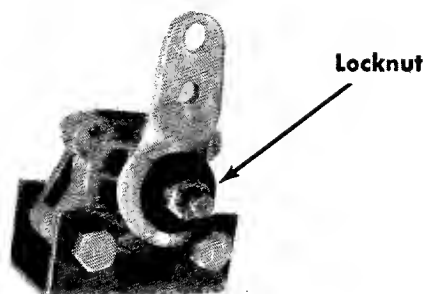


FIGURE 14. BLADE REMOVAL

## BRAKE ADJUSTMENT See figure 16.

To adjust the brake tighten the locknut one half turn and then test the brakes. After attaining the proper adjustment, replace the cotter pin.

The brake is located by the right rear wheel inside the frame.



**FIGURE 15. BRAKE ADJUSTMENT**

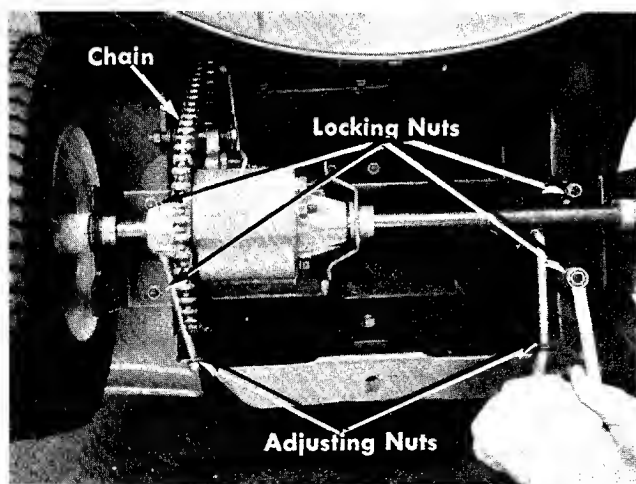
### CHAIN ADJUSTMENT

After the first five hours of operation the initial slack should be removed from the chain. The chain should be tight enough so that it deflects approximately  $\frac{1}{2}$ " when it is depressed with the thumb.

To tighten the chain, loosen the two locking nuts on each side of the rear axle.

Tighten the adjusting nuts until the proper chain tension is obtained.

Tighten the locking nuts on the rear axle. See figure 17.



**FIGURE 16. CHAIN ADJUSTMENT**

## LUBRICATION

Lubricate the following points with SAE 30 non-detergent engine oil.

Front Wheel Bearings, figure 17.

King Pin Bearings, figure 17.

Rear Axle Bearings, figure 18.

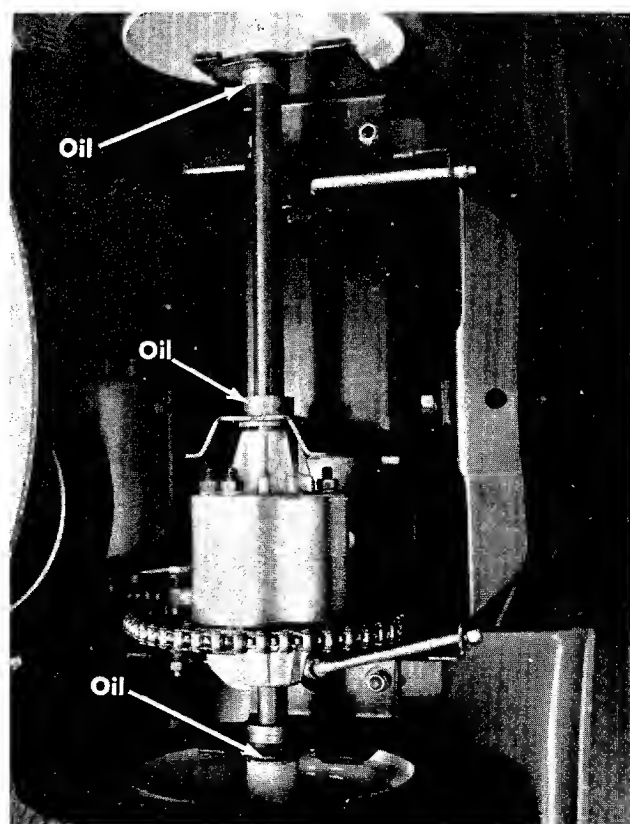
Steering Shaft, figure 19.

Lubricate the steering gears with an automotive multi-purpose type grease. See figure 19.

Pivot Bar—Front End.



**FIGURE 17. FRONT WHEEL BEARINGS**



**FIGURE 18. REAR AXLE**

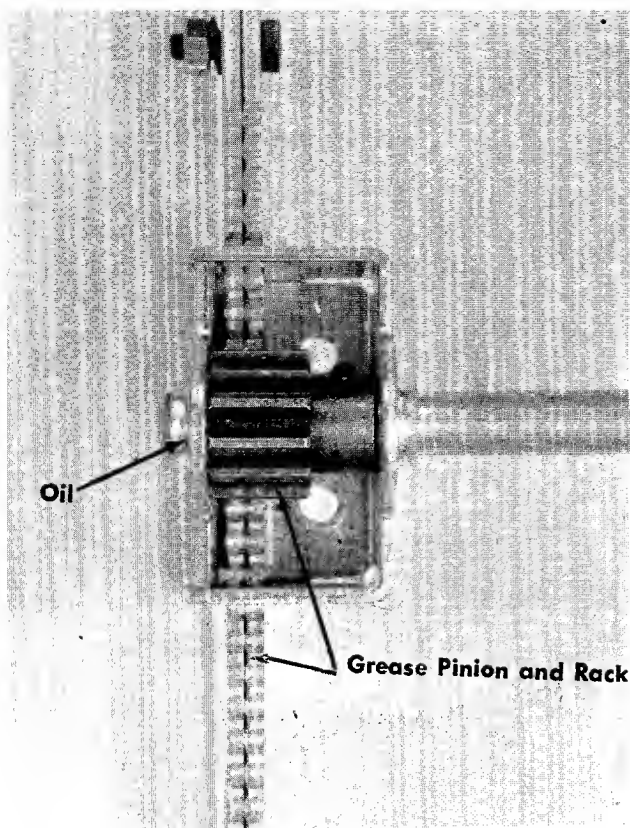


FIGURE 19. STEERING GEAR

## PREPARING FOR BELT REMOVAL

1. To prevent gasoline from leaking from the engine, remove the fuel tank cap, place a piece of thin plastic over the neck of the fuel tank and screw on the cap.
2. Disconnect the spark plug wire and ground it against the engine.

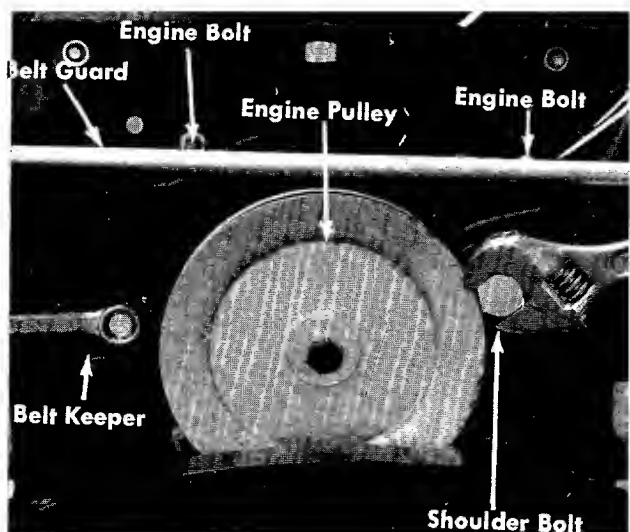


FIGURE 20. ENGINE PULLEY



If the unit is equipped with a battery, continue with step 3.

3. Remove the battery to prevent acid from leaking.



**WARNING**

Disconnect the negative terminal first and connect last when installing the battery.

### BELT REMOVAL (Blade or Transmission Belt)

- Step 1. Place the lift and disengagement lever in the disengaged position. See figure 10.
- Step 2. Remove the belt keeper and shoulder bolt next to the engine pulley. See figure 20.
- Step 3. Remove the blade belt from the engine pulley.
- Step 4. Engage the Lift and Disengagement Lever.
- Step 5. Remove the tension springs on the rear of the deck.
- Step 6. Remove the six pins holding the deck to the frame. See figure 21.

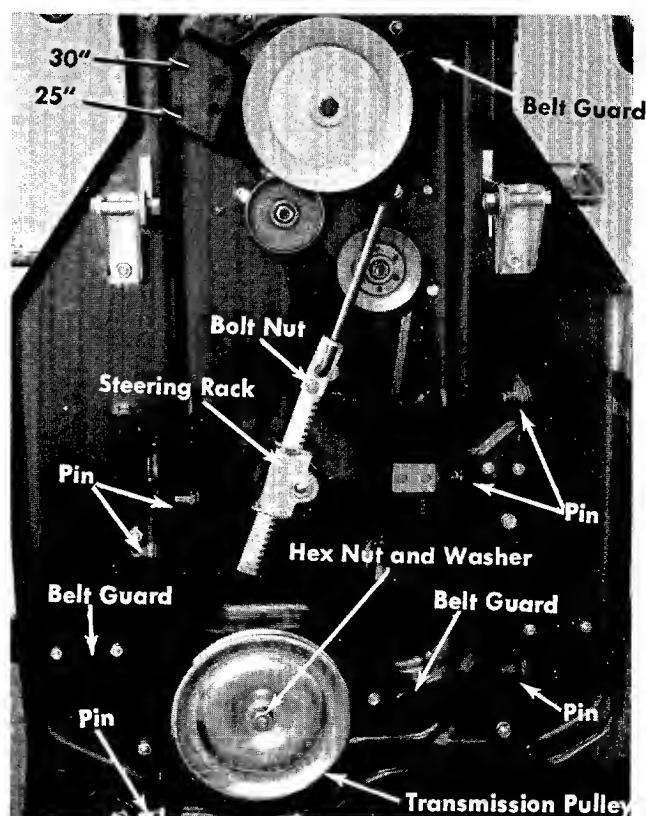


FIGURE 21. BOTTOM VIEW

Step 7. Remove the deck and set it aside.

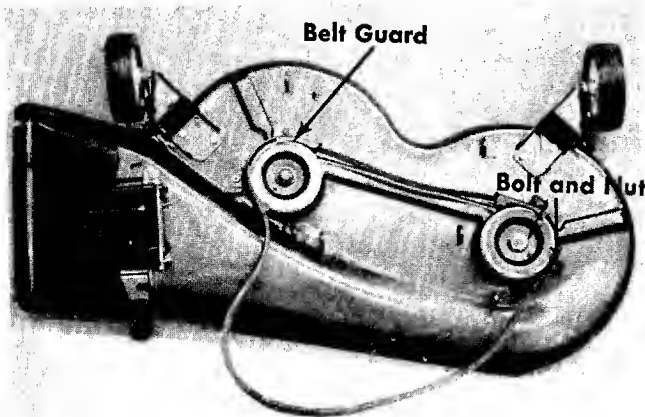
Step 8. **Removing the blade belt.** See figure 22.

- a. Take off both belt guards by removing the two bolts and nuts holding the belt guards to the deck.
- b. Remove and replace the belt.



**NOTE**

By working between the frame and the deck, it is possible to remove and replace the deck belt without removing the deck, however, the working space is limited.



**FIGURE 22. 30" DECK**

Step 9. **Removing the transmission belt.** See figures 20 and 21.

- a. Remove the entire belt guard from the engine pulley by removing the two front engine bolts. See figures 20 and 21.
- b. Remove the two belt guards from the transmission pulley. See figure 21.
- c. Remove the bolt and nut from the steering rack and remove the belt.
- d. Reassemble in reverse order with the new belt.

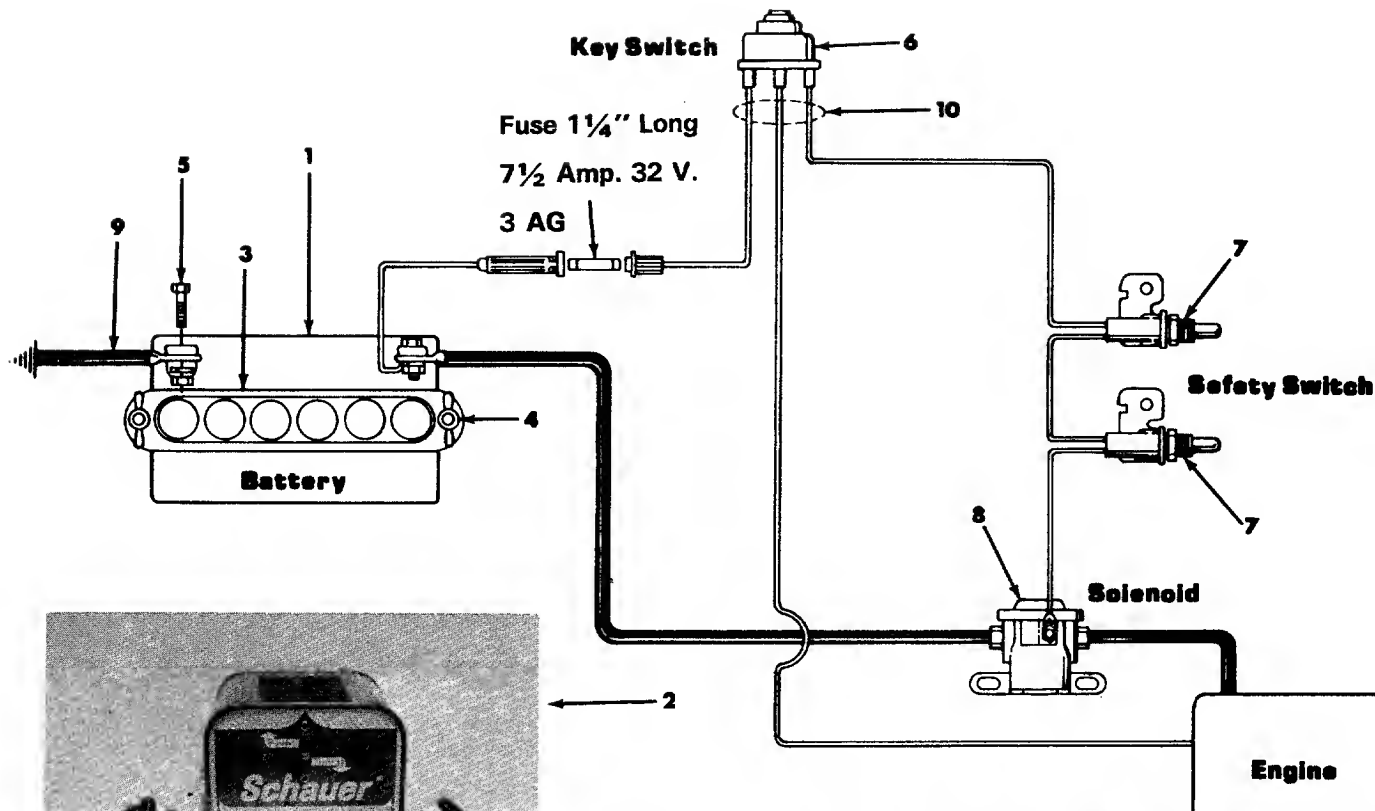
# TROUBLE SHOOTING CHART FOR RECOIL START MODELS

CAUTION: ALWAYS DISCONNECT SPARK PLUG BEFORE ATTEMPTING ANY REMEDY.

TROUBLE	LOOK FOR	REMEDY
Engine fails to start.	Safety System	<p>If the engine will not start be sure the clutch control is disengaged; blade controls disengaged, the throttle control is set and the key is turned on.</p> <p>A. Disconnect the yellow wire from the engine. This comes from the ignition switch.</p> <p>B. If the engine fails to start the problem is with the engine, not the safety system.</p> <p>C. If the engine starts, the problem is with the safety system. Check the yellow wire for a ground.</p> <p>D. Check the operation of the switch behind the recoil starter handle.</p> <p>E. If the engine stops when the clutch or blade is engaged, the recoil handle is not pushed into the receptacle and twisted a quarter turn.</p>
	Blocked fuel line or empty gas tank.	Clean fuel line; check fuel supply. Also check fuel shut-off valve.
	Defective spark plug.	<p>Spark plug lead wire disconnected.</p> <p>Faulty spark plug—spark should jump gap between control electrode and side electrode. If spark does not jump, replace spark plug.</p> <p>NOTE: Use insulated pliers to hold the spark plug wire.</p>
	Throttle setting.	Throttle control lever not in the starting position.
	Loose connections	Spark plug wire loose.
Hard starting or loss of power.	Dirty air cleaner.	Remove air cleaner and clean as outlined in <b>Engine Manual</b> .
	Carburetor improperly adjusted.	Review paragraph <b>Carburetor Adjustment</b> .
Excessive vibration.	Bent or damaged blade spindle.	Stop engine immediately; tighten all bolts and make all necessary repairs. If vibration continues, have the unit serviced by a competent repairman.
Unit fails to discharge grass.	Discharge chute clogged.	Clean discharge chute and inside of deck.
	Foreign object lodged in deck.	Remove object from deck. See CAUTION following step 1 in paragraph <b>Operation</b> .
Engine overheats.	Obstructions in air passages.	Remove any obstruction from air passages in shroud. Grass and dirt in engine shroud. Clean cooling fins.
	Oil level.	Fill crankcase to proper oil level.

# TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

TROUBLE	LOOK FOR	REMEDY
Engine fails to start.	Safety System	A. Check for a blown fuse in the wire leading from the positive terminal of the battery.
		B. Before checking the safety system further, be sure the clutch control and the blade control are disengaged; only the starting system is being checked. Therefore remove the spark plug lead and ground it to prevent the engine from starting.
		C. Attach a wire (minimum 18 gauge) to the positive terminal of the battery and touch the other end to the small terminal (coil primary) of the solenoid. If the engine cranks, the problem is in the safety system.
		D. Check for continuity from the battery to the solenoid. NOTE: The positive terminal of the battery should have a large cable (#8 gauge) and a small wire (#18 gauge) attached to it.
		E. Check all wires and cable for tightness.
		F. Use a #8 gauge wire and jump between the two large terminals of the solenoid. If the unit starts, replace the solenoid.
		G. If the unit fails to start after following the above procedure the problem is probably in the starting motor of the engine.
	Blocked fuel line or empty gas tank.	Clean fuel line; check fuel supply. Also check fuel shut-off valve.
	Defective spark plug.	Spark plug lead wire disconnected. Faulty spark plug—spark should jump gap between control electrode and side electrode. If spark does not jump, replace spark plug. NOTE: Use insulated pliers to hold the spark plug wire.
	Throttle setting.	Throttle control lever not in the starting position.
Hard starting or loss of power.	Loose connections	Spark plug wire loose.
	Dirty air cleaner.	Remove air cleaner and clean as outlined in <b>Engine Manual</b> .
	Carburetor improperly adjusted.	Review paragraph <b>Carburetor Adjustment</b> .
Excessive vibration.	Bent or damaged blade spindle.	Stop engine immediately; tighten all bolts and make all necessary repairs. If vibration continues, have the unit serviced by a competent repairman.
Unit fails to discharge grass.	Discharge chute clogged.	Clean discharge chute and inside of deck.
	Foreign object lodged in deck.	Remove object from deck. See CAUTION following step 1 in paragraph <b>Operation</b> .
Engine overheats.	Obstructions in air passages.	Remove any obstruction from air passages in shroud. Grass and dirt in engine shroud. Clean cooling fins.
	Oil level.	Fill crankcase to proper oil level.

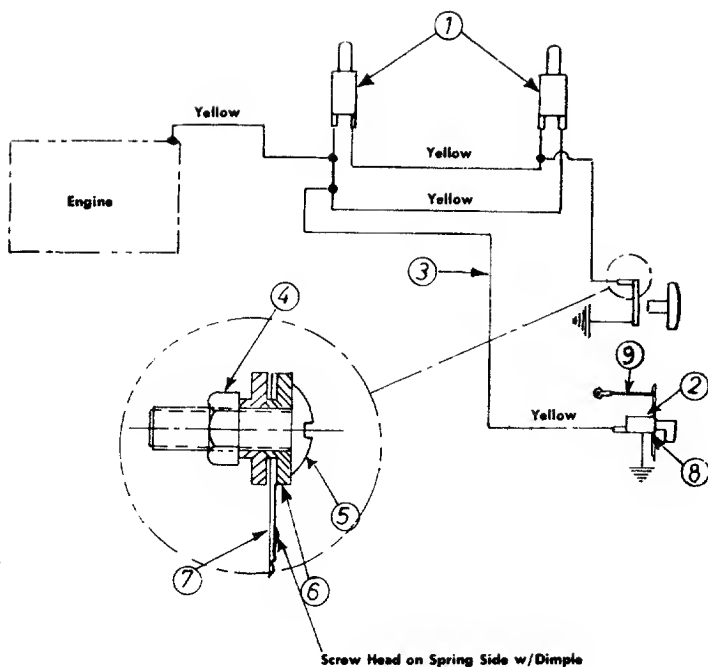


#### PARTS LIST FOR SCHEMATIC MODEL 136-395A

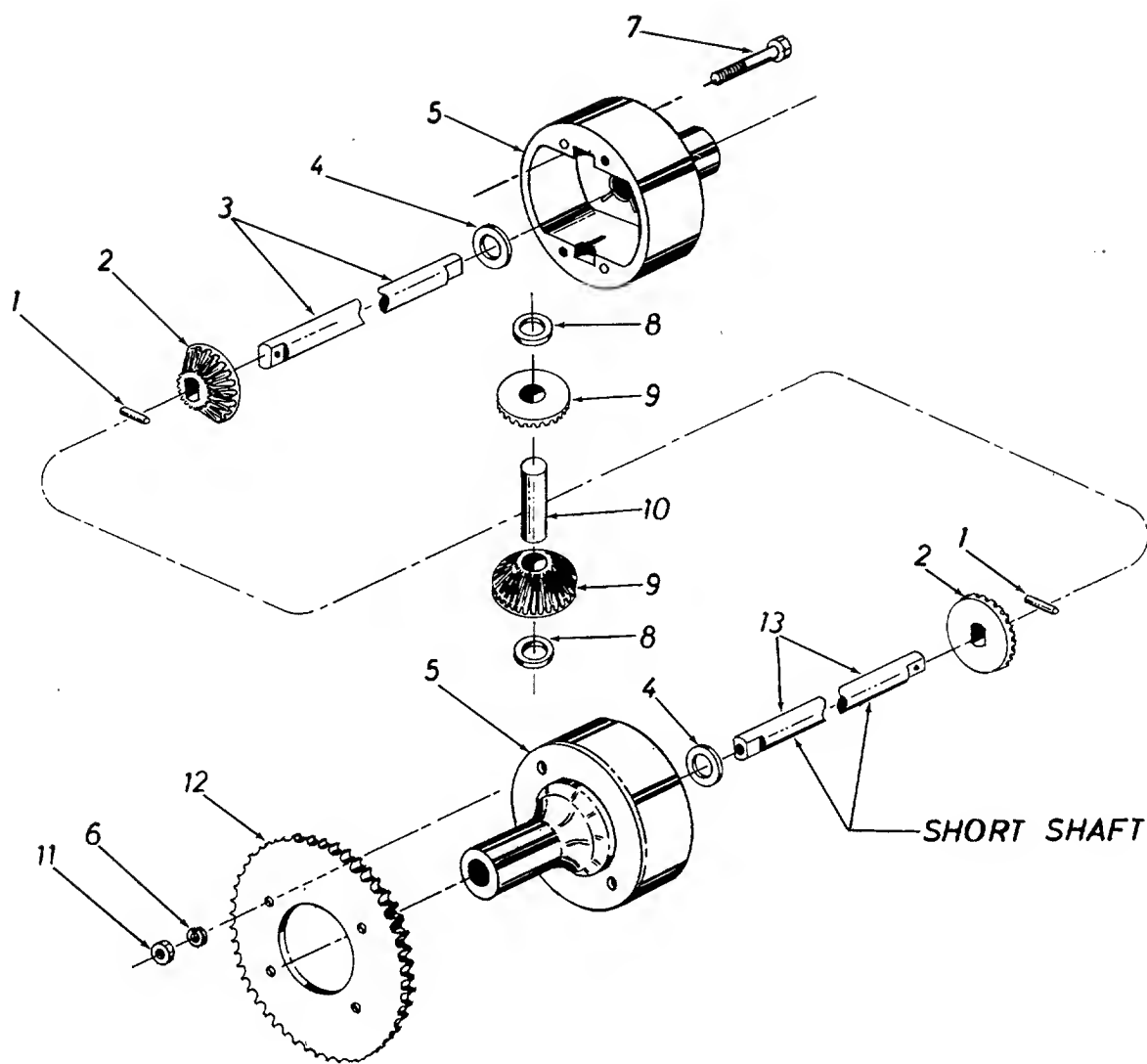
Ref. No.	Part No.	Description	New Part
1	725-0117	Battery	
2	725-0156	Battery Charger	
3	08821	Battery Hold Down	
4	711-0222	Hold Down Rods	
	736-0329	Lockwasher 1/4"*	
	712-0113	Wing Nuts 1/4-20 Thd.*	
5	710-0258	Hex Hd. Cap Scr. 1/4-20 x 5/8 Lg.*	
	736-0329	Lockwasher 1/4"*	
	712-0287	Hex Nut 1/4-20 Thd.*	
6	725-0267	Key Switch	
	725-0201	Key	
7	725-0268	Safety Switch	
8	725-0270	Solenoid	
9	725-0150	Ground Wire	
10	725-0282	Wire Harness	
11	725-0221	Electric Wire	
12	725-0297	Electric Wire	

#### PARTS LIST FOR SCHEMATIC MODEL 136-390A

Ref. No.	Part No.	Description	New Part
1	725-0269	Safety Switch—Red (2 Req'd.)	
2	725-0266	Magneto Ignition Switch w/Nut	
	725-0128	Ignition Key	
3	725-0272	Wire Harness	
4	712-0121	Hex Nut #10-24	
5	710-0425	Truss Mach. Scr. #10-24 x .62	
6	736-0338	Fiber Washer (2 Req'd.)	
7	732-0257	Switch Spring	
8	736-0225	Internal Lockwasher 5/8 I.D.	
9	725-0297	Ground Wire	





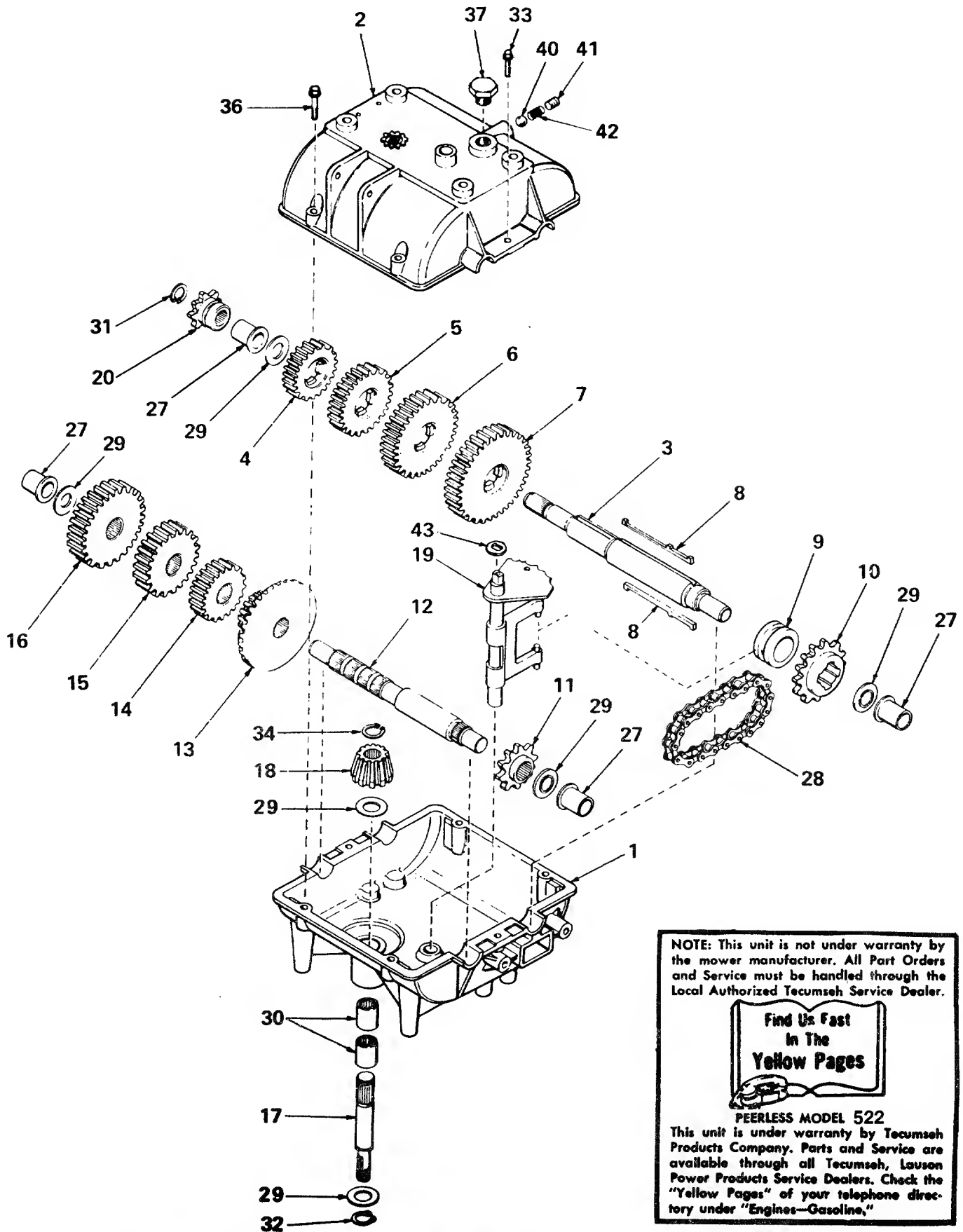


# **PARTS LIST FOR DIFFERENTIAL ASSEMBLY 717-0326**

Ref. No.	Part No.	Qty. Req'd.	Description	New Part
1	715-0247	2	Spring Pin Spir. 3/16" Dia. x 1.00" Lg.	N
2	748-0185	2	Gear—Double "O" Hole	
3	738-0302	1	Shaft—Long 15.11" Lg.	N
4	736-0188	2	Fl-Wash. .760 I.D. x 1.49 O.D.	
5	717-0341	2	Housing Half	N
6	736-0119	2	L-Wash. 5/16" Scr.*	
7	710-0363	2	Hex Scr. 5/16-24 x 4.00" Lg.*	N
8	736-0187	2	Fl-Wash. .640 I.D. x 1.24 O.D.	
9	748-0158	2	Gear—Round Hole	N
10	711-0276	1	Drive Pin	
11	712-0237	2	Hex Cent. L-Nut 5/16-24 Thd.	N
12	09054	1	Sprocket—40 Tooth	
13	738-0303	1	Shaft—Short 7.58" Lg.	N

\*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

# REVERSING TRANSMISSION (PEERLESS 522)



NOTE: This unit is not under warranty by the mower manufacturer. All Part Orders and Service must be handled through the Local Authorized Tecumseh Service Dealer.



**PEERLESS MODEL 522**  
This unit is under warranty by Tecumseh Products Company. Parts and Service are available through all Tecumseh, Lauson Power Products Service Dealers. Check the "Yellow Pages" of your telephone directory under "Engines—Gasoline."

# **PARTS LIST FOR FOUR SPEED TRANSMISSION 522**

Ref. No.	Part No.	Description
1	PE-770061	Case, Transmission
2	PE-772070	Cover, Transmission
3	PE-776139	Shaft, Output and Brake
4	PE-778105	Gear, Spur (20 teeth)
5	PE-778106	Gear, Spur (25 teeth)
6	PE-778107	Gear, Spur (30 teeth)
7	PE-778108	Gear, Spur (35 teeth)
8	PE-792071	Key
9	PE-784216	Collar, Shift
10	PE-786060	Sprocket (14 teeth)
11	PE-786061	Sprocket (10 teeth)
12	PE-776134	Shaft, Counter
13	PE-778109	Gear, Bevel (42 tooth & 15 tooth spur gear)
14	PE-778110	Gear, Spur (20 teeth)
15	PE-778111	Gear, Spur (25 teeth)
16	PE-778112	Gear, Spur (30 teeth)
17	PE-776140	Shaft, Input
18	PE-778113	Bevel Pinion, Input
19	PE-784217	Rod and Fork Assembly, Shifter
20	713-0207 → <del>PE-780105</del>	Sprocket (8 teeth)
27	PE-780105	Bushing, Flanged
28	PE-786062	Chain, Roller (#41 chain, 22 links)
29	PE-780072	Race, Thrust
30	PE-780106	Bearing, Needle
31	PE-792072	Ring, Retaining
32	PE-792035	Ring, Retaining
33	PE-792059	Screw, 1/4-20 x 3/4 Tap Tite
34	PE-788040	Ring, Retaining
36	PE-792073	Screw, 1/4-20 x 1 1/4 Tap Tite
37	PE-792074	Plug
40	PE-792077	Ball, 5/16" Steel
41	PE-792078	Screw, 3/8-16 x 3/8 Set
42	PE-792079	Spring
43	PE-792083	Washer

NOTE: This unit is not under warranty by the mower manufacturer. All Part Orders and Service must be handled through the Local Authorized Tecumseh Service Dealer.



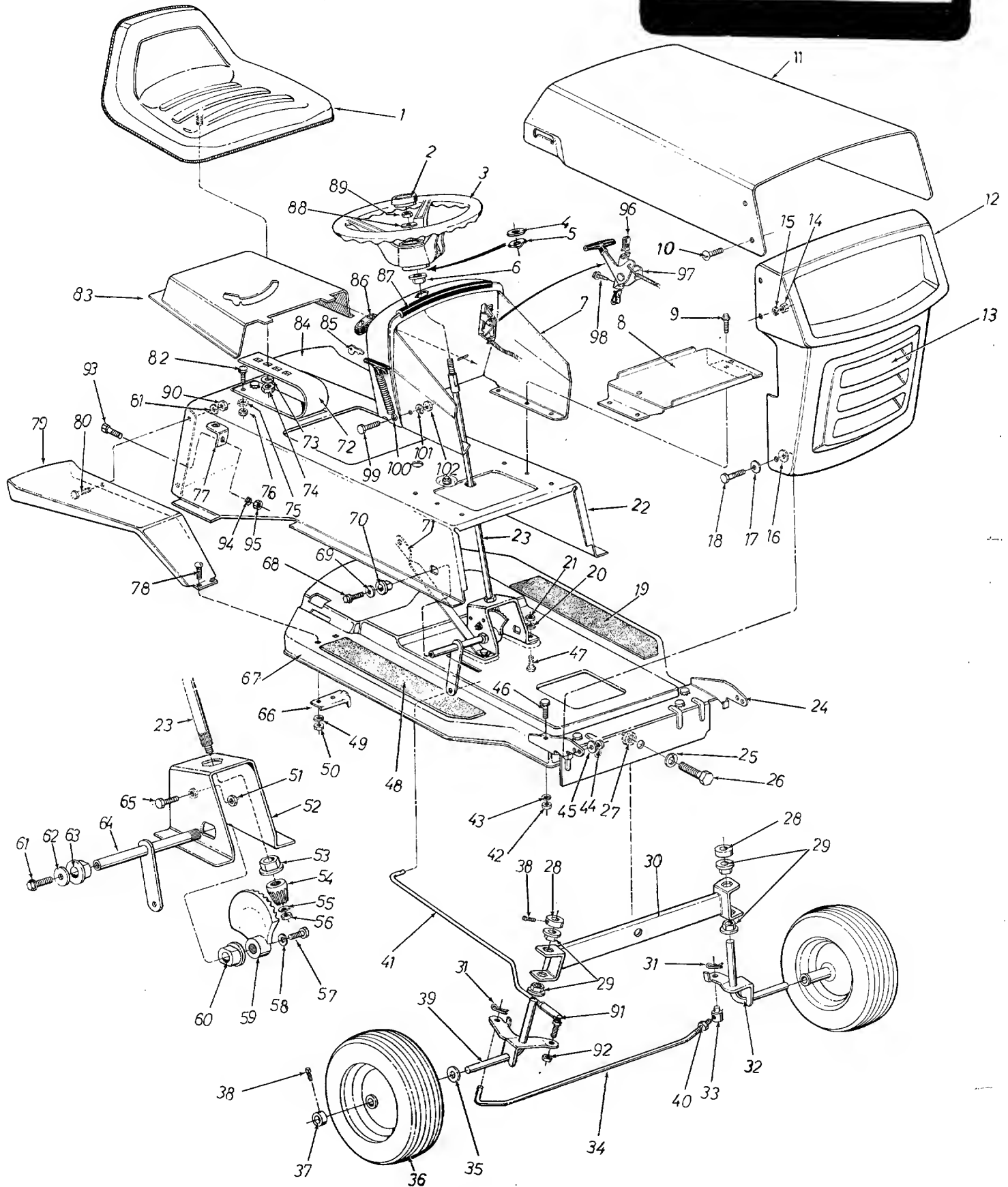
## **PEERLESS MODEL 522**

This unit is under warranty by Tecumseh Products Company. Parts and Service are available through all Tecumseh, Louison Power Products Service Dealers. Check the "Yellow Pages" of your telephone directory under "Engines—Gasoline."

# 136-390A 136-395A

*muffler  
extension  
751-0124*

IF YOU WRITE TO US ABOUT THIS ARTICLE  
OR IF YOU ORDER REPLACEMENT PARTS AL-  
WAYS MENTION THIS MODEL & SERIAL NO  
MODEL



# PARTS LIST FOR MODEL 136-390A AND 136-395A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	757-0264		Seat Assembly	N	47	710-0198		Hex Sems Scr. 5/16-18 x .75" Lg.*	
2	731-0220		Cap for Steering Wheel		48	723-0304		Foot Mat—R.H.	
3	731-0219		12" Dia. Steering Wheel		49	736-0329		L-Wash. 1/4" Scr.*	
4	736-0156		FI-Wash. .635 I.D. x 1.120 O.D.		50	712-0287		Hex Nut 1/4-20 Thd.*	
5	736-0174		Wave Wash. .66 I.D. x .88 O.D.		51	712-0375		Hex Cent. L-Nut 3/8-16 Thd.	N
6	748-0227		Hex Flange Brg. .630 I.D.		52	12850		Steering Gear Shaft Ass'y.	N
7	12740		Dash Panel Ass'y.—Recoil (390A)	N	53	748-0228		Hex Flange Brg. .505 I.D.	
	12742		Dash Panel Ass'y.—Elect. (395A)	N	54	748-0237		Pinion Gear	
8	12747		Battery Bracket (395A)	N	55	736-0242		Belleville Wash.	
9	710-0600		Thread Rolling Scr. 5/16-24 x .50" Lg.	N	56	712-0237		Hex Cent. L-Nut 5/16-24 Thd.	
10	710-0255		Truss Mach. Scr. 1/4-20 x .75" Lg.*		57	710-0180		Hex Scr. 3/8-24 x .75" Lg.*	
11	11855 —462		Hood	N	58	736-0105		Belleville Wash.	N
12	719-0194		Grille—Complete		59	748-0236		Bevel Gear	N
13	731-0208		Grille Insert		60	741-0199		Plastic Flanged Brg.	
14	712-0287		Hex Nut 1/4-20 Thd.*		61	710-0325		Hex Scr. 3/8-24 x .50" Lg.*	
15	736-0329		L-Wash. 1/4" Scr.*		62	736-0105		Belleville Wash.	N
16	736-0105		Belleville Wash.		63	741-0199		Plastic Flanged Brg.	N
17	736-0105		Belleville Wash.		64	12749		Steering Arm Shaft Ass'y.	N
18	710-0216		Hex Scr. 3/8-16 x .75" Lg.*		65	710-0670		Hex Scr. Nylon 3/8-16 x 1.25" Lg.	N
19	723-0305		Foot Mat—L.H.		66	11055		Transmission Belt Guard	
20	736-0119		L-Wash. 5/16" Scr.*		67	12757 —462		Lower Frame	N
21	712-0267		Hex Nut 5/16-18 Thd.*		68	710-0325		Hex Scr. 3/8-24 x .50" Lg.*	
22	12802 —462		Upper Frame	N	69	736-0105		Belleville Wash.	
23	738-0307		Steering Shaft	N	70	741-0199		Plastic Flanged Brg.	
24	12746 —462		Front Pivot Bracket	N	71	12800		Transmission Support Brkt.	N
25	736-0158		L-Wash. 5/8" Scr.*		72	732-0256		Seat Spring 3.25 High	
26	710-0312		Hex Scr. 5/8-18 x 1.31—Special		73	736-0921		L-Wash. 1/2" Scr.*	
27	712-0923		Hex Cent. Jam Nut 5/8-18 Thd.		74	712-0206		Hex Nut 1/2-13 Thd.*	
28	711-0169		Collar for a 5/8" Dia.		75	736-0119		L-Wash. 5/16" Scr.*	
29	748-0227		Hex Flange Brg. .630 I.D.		76	712-0267		Hex Nut 5/16-18 Thd.*	
30	12415 —462		Pivot Bar Ass'y.		77	09963 —462		Hitch Bracket	
31	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.*		78	710-0255		Truss Mach. Scr. 1/4-20 x .75" Lg.*	
32	12752 —462		Axle Ass'y.—Front—L.H.	N	79	11002 —462		Rear Fender	
33	711-0198		Ferrule		80	710-0195		Hex Scr. 1/4-28 x .62" Lg.*	
34	747-0144		Tie Rod		81	736-0329		L-Wash. 1/4" Scr.*	
35	736-0156		FI-Wash. .635 I.D. x 1.120 O.D.		82	710-0322		Hex Sems Scr. 5/16-18 x 1.00" Lg.*	
36	734-0378		Front Wheel Ass'y.—Comp. <del>11.0 x 4.0</del>		83	12803		Transmission Panel	N
37	711-0169		Collar 5/8" I.D.		84	11002 —462		Rear Fender	
38	710-0494		Sq. Hd. Set Scr. 5/16-18 x .38" Lg.		85	725-0128		Ignition Key Only (390A)	
39	12755 —462		Axle Ass'y.—Front—R.H.	N		725-0201		Ignition Key Only (395A)	
40	712-0711		Hex Jam Nut 3/8-24 Thd.			725-0266		Ignition Switch (Not Shown) (390A)	
41	711-0625		Steering Rod			725-0267		Ignition Switch (Not Shown) (395A)	
42	712-0267		Hex Nut 5/16-18 Thd.*		86	11263		Plastic Handle (390A)	
43	736-0119		L-Wash. 5/16" Scr.*		87	731-0144		Vinyl Strip	
44	712-0375		Hex Cent. L-Nut 3/8-16 Thd.		88	736-0242		Belleville Wash. .345 I.D. x .88 O.D.	
45	736-0105		Belleville Wash.		89	712-0158		Hex Cent. L-Nut 5/16-18 Thd.	
46	710-0198		Hex Sems Scr. 5/16-18 x .75" Lg.*		90	712-0138		Hex Nut 1/4-28 Thd.*	
					91	723-0156		Ball Joint Ass'y. 3/8-24 Thd.	
					92	712-0116		Hex Ins. L-Nut 3/8-24 Thd.	
					93	710-0216		Hex Scr. 3/8-16 x .75" Lg.*	
					94	736-0119		L-Wash. 3/8" Scr.*	
					95	712-0798		Hex Nut 3/8-16 Thd.*	
					96	712-0344		Speed Nut #10	

### PARTS LIST (CONTINUED)

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
97	746-0161		Throttle Control Ass'y.	
98	710-0351		Truss Mach. B-Tap. Scr. #10 x .50" Lg.	
99	710-0289		Hex Scr. 1/4-20 x .50" Lg. *	
100	723-0269		Hood Lock Ass'y.	
101	736-0329		L-Wash. 1/4" Scr. *	
102	712-0287		Hex Nut 1/4-20 Thd. *	

\*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

(462—Red Flake)

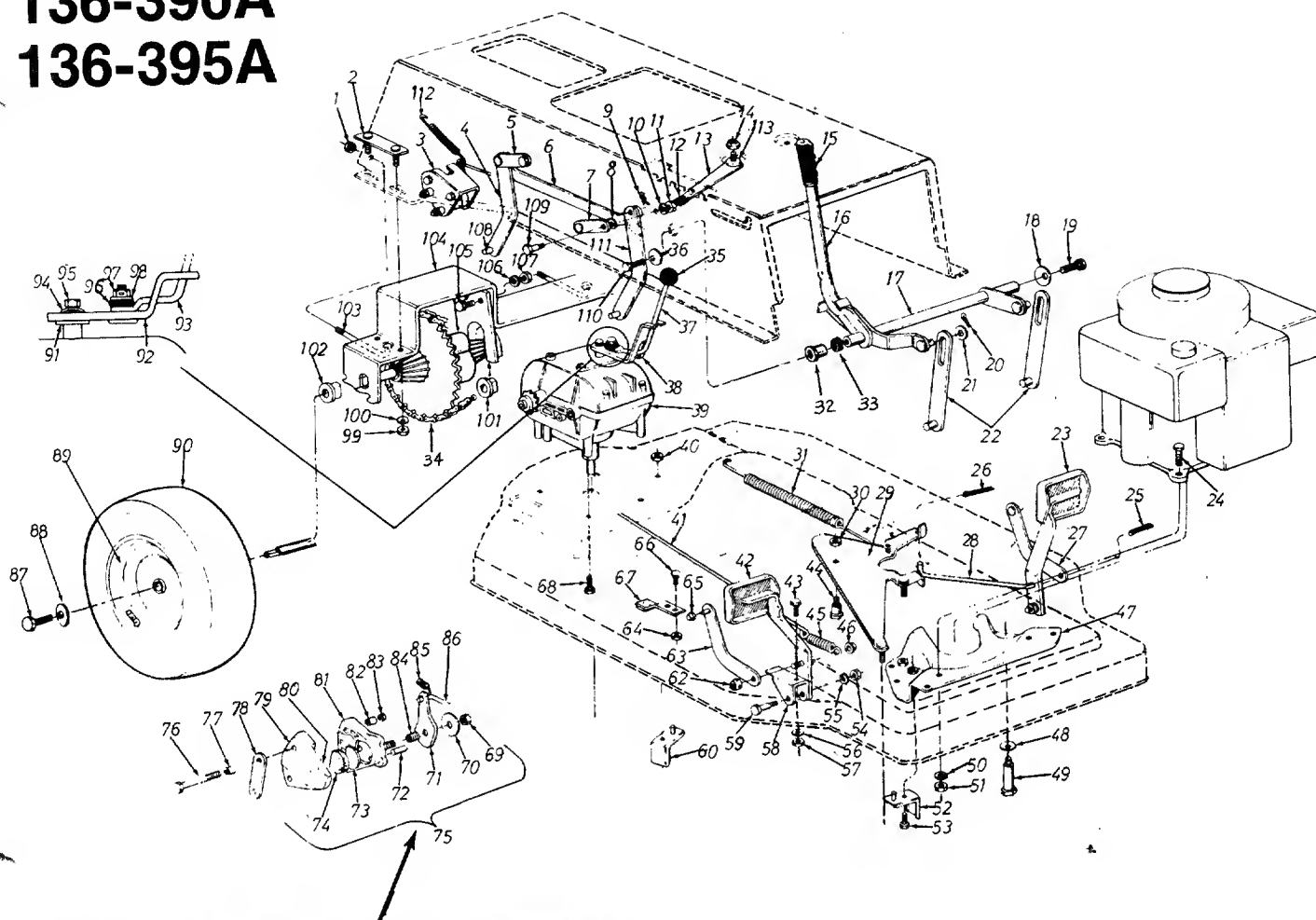
When ordering parts if color or finish is important, use color code shown at left. (Red Flake Finish—11001 (462)).

NOTE: This instruction manual covers various models and all accessories shown do not necessarily apply to your model mower.

The engine is not under warranty by the mower manufacturer. If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines — Gasoline."



# 136-390A 136-395A



**NOTE:** If for any reason, disc brake is disassembled, be sure round end of push pins (Ref. No. 72) is toward the cam lever (Ref. No. 71).

## PARTS LIST FOR MODELS 136-390A AND 136-395A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	712-0429		Hex Ins. Locknut 5/16-18 Thd.		19	710-0201		Hex Hd. Cap Scr. 3/8-16 x .62" Lg.*	
2	10360		Axle Bolt Plate Ass'y.		20	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.*	
3	11011		Disc Brake Brkt. Ass'y.		21	736-0192		Flat Wash. .531 I.D. x .93 O.D.	
4	11024		Deck Link		22	11025		Lockout Link Ass'y.	
5	09721		Pivot Link Ass'y.		23	11037		Clutch Pedal Ass'y.	
6	11014		Connecting Lift Brkt.		<del>23</del>	10614		Pedal Pad—Vinyl	
7	09721		Pivot Link Ass'y.		24	710-0442		Hex Hd. Cap Scr. 5/16-18 x 1.50" Lg.*	
8	736-0192		Flat Wash. .531 I.D. x .93 O.D.		25	714-0115		Cotter Pin	
9	714-0101		Int. Cotter Pin 1/2" Dia.		26	714-0115		Cotter Pin	
10	736-0119		L-Wash. 5/16" Scr.*		27	11057		Parking Brake Lever Ass'y.—L.H.	
11	712-0267		Hex Nut 5/16-18 Thd.*		28	11061		Clutch Rod	
12	11249		Ht. Adj. Knob		29	12446 —462		Idler Brkt. Ass'y.	
13	11027		Handle Stop Bracket Ass'y.		30	712-0116		Hex Ins. L-Nut 3/8-24 Thd.	
14	712-0429		Hex Ins. L-Nut 5/16-18 Thd.		31	732-0191		Sprg. (Idler) .75 O.D. x 11.0" Lg.	
15	08118		Grip Finger—Black	N	32	748-0176		Flange Brg. .625 I.D.	
16	749-0212		Lift Handle—R.H.						
17	11032		Lift Handle Brkt. Ass'y.						
18	736-0219		Belleville Wash. .40 I.D. x 1.13 O.D.						

# PARTS LIST (CONTINUED) FOR MODELS 136-390A AND 136-395A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
33	735-0180		Rubber Wash.		77	761-0133		Spacer for Disc Brake .322 I.D. x .38	
34	713-0104		#41 Chain 1/2 Pitch x 65 Links		78	11010		Brake Plate	
35	722-0115		Ball Knob		79	HH-12-03292		Casting Carrier Side	
36	736-0219		Belleville Wash. .400 I.D. x 1.13 O.D.		80	HH-15-03149		Friction Pad 1.110" Dia. x .245 Thk.	
37	11545		Shift Lever		81	HH-12-03292		Casting Cam Side	
38	11548		Shift Lever Brkt. Ass'y.		82	761-0133		Spacer for Disc Brake .322 I.D. x .38	
39	—		Four Speed Trans.—Comp.		83	712-0158		Hex Cent. L-Nut 5/16-18 Thd.	
40	712-0267		Hex Nut 5/16-18 Thd.*		84	HH-06-03031		Spring	
41	747-0107		Brake Rod .25 Dia. x 24.12" Lg.		85	732-0157		Sprg. .380 O.D. x 3.25 (Brake Return)	
42	11036		Brake Pedal Ass'y.		86	747-0107		Brake Rod .25 Dia. x 24.12" Lg.	
	10614		Pedal Pad—Vinyl		87	710-0627		Hex Scr. w/Lock 5/16-24 x .75	
43	710-0259		Hex Sems Scr. 5/16-18 x .62" Lg.*		88	736-0242		Belleville Wash. .345 I.D. x .88 O.D.	
44	738-0140		Shld. Scr. .431 Dia. x .18" Lg.		89	734-0521		Rear Wheel Rim Ass'y. Less Tire	
45	732-0245		Brake Spring		90	734-0427		Rear Wheel Tire Only 15.0 x 6.0	
46	726-0100		Push Nut 3/8" Dia. Rod			734-0524		Rear Wheel Ass'y. w/Tire	
47	12654		Engine Belt Guard Ass'y.		91	717-0234		Hardened Wash. 1.00 O.D.	
48	736-0242		Belleville Washer		92	11548		Shift Lever Brkt. Ass'y.	
49	738-0215		Shld. Bolt 3.60" Lg.		93	11545		Shift Lever (Four Speed)	
50	736-0119		L-Wash. 5/16" Scr.*		94	736-0242		Belleville Wash. .345 I.D. x .88 O.D.	
51	712-0267		Hex Nut 5/16-18 Thd.*		95	710-0237		Hex Hd. Cap Scr. 5/16-24 x .62" Lg.	
52	12160		Belt Keeper Ass'y.		96	735-0126		Rubber Wash. .33 I.D. x .87 O.D.	
53	710-0259		Hex Sems Scr. 5/16-18 x .62" Lg.*		97	712-0158		Hex Cent. L-Nut 5/16-18 Thd.	
54	710-0538		Hex Hd. Cap Scr. 5/16-18 x .62 Special		98	736-0159		Flat Wash. .344 I.D. x .88 O.D.	
55	736-0242		Belleville Wash. .345 I.D. x .88 O.D.		99	712-0267		Hex Nut 5/16-18 Thd.*	
56	736-0119		L-Wash. 5/16" Scr.*		100	736-0119		L-Wash. 5/16" Scr.*	
57	712-0267		Hex Nut 5/16-18 Thd.*		101	748-0151		Flange Brg. with Flats .753" I.D.	
58	11039		Pedal "U" Brkt. Ass'y.		102	748-0151		Flange Brg. with Flats .753" I.D.	
59	738-0213		Shld. Bolt .498 Dia. x 1.45		103	710-0437		Chain Adj. Link 5/16-18 Thd.	
60	10426		Belt Keeper Ass'y.		104	11009		Rear Axle Brkt.	
62	712-0429		Hex Ins. L-Nut 5/16-18 Thd.		105	710-0198		Hex Sems Scr. 5/16-18 x .75" Lg.*	
63	11056		Parking Brake Lever Ass'y. R.H.		106	736-0119		L-Wash. 5/16" Scr.*	
64	712-0287		Hex Nut 1/4-20 Thd		107	712-0267		Hex Nut 5/16-18 Thd.*	
65	726-0121		Push Cap .25 Dia.		108	711-0332		Left Brkt. Pin	
66	710-0134		Carriage Bolt 1/4-20 x .62" Lg.*		109	738-0140		Shld. Scr. .431 Dia. .18" Lg.	
67	761-0147		Blade Brake Ass'y.		110	710-0201		Hex Hd. Cap Scr. 3/8-16 x .62" Lg.*	
68	710-0198		Hex Sems Scr. 5/16-18 x .75" Lg.*		111	11023		Deck Link Ass'y. (3 Req'd.)	
69	HH-02-03631		Hex Locknut		112	732-0157		Sprg. .380 O.D. x 3.25 (Brake Return)	
70	HH-03-03032		Washer		113	735-0126		Rubber Wash. .33 I.D. x .87 O.D.	
71	HH-18-03493		Cam Lever						
72	HH-05-03034		Push Pin						
73	HH-03-03303		Disc Backup						
74	HH-15-02124		Friction Pad 1.110" Dia. x .472 Thk.						
75	761-0130		Disc Brake Ass'y.—Comp.						
76	710-0176		Hex Hd. Cap Scr. 5/16-18 x 2.75" Lg.						

\*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

(462—Red Flake)

When ordering parts, if color or finish is important use the appropriate color code shown above (Red Flake Finish—11001 (462)).

NOTE: The engine is not under warranty by the mower manufacturer . . . If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines—Gasoline."



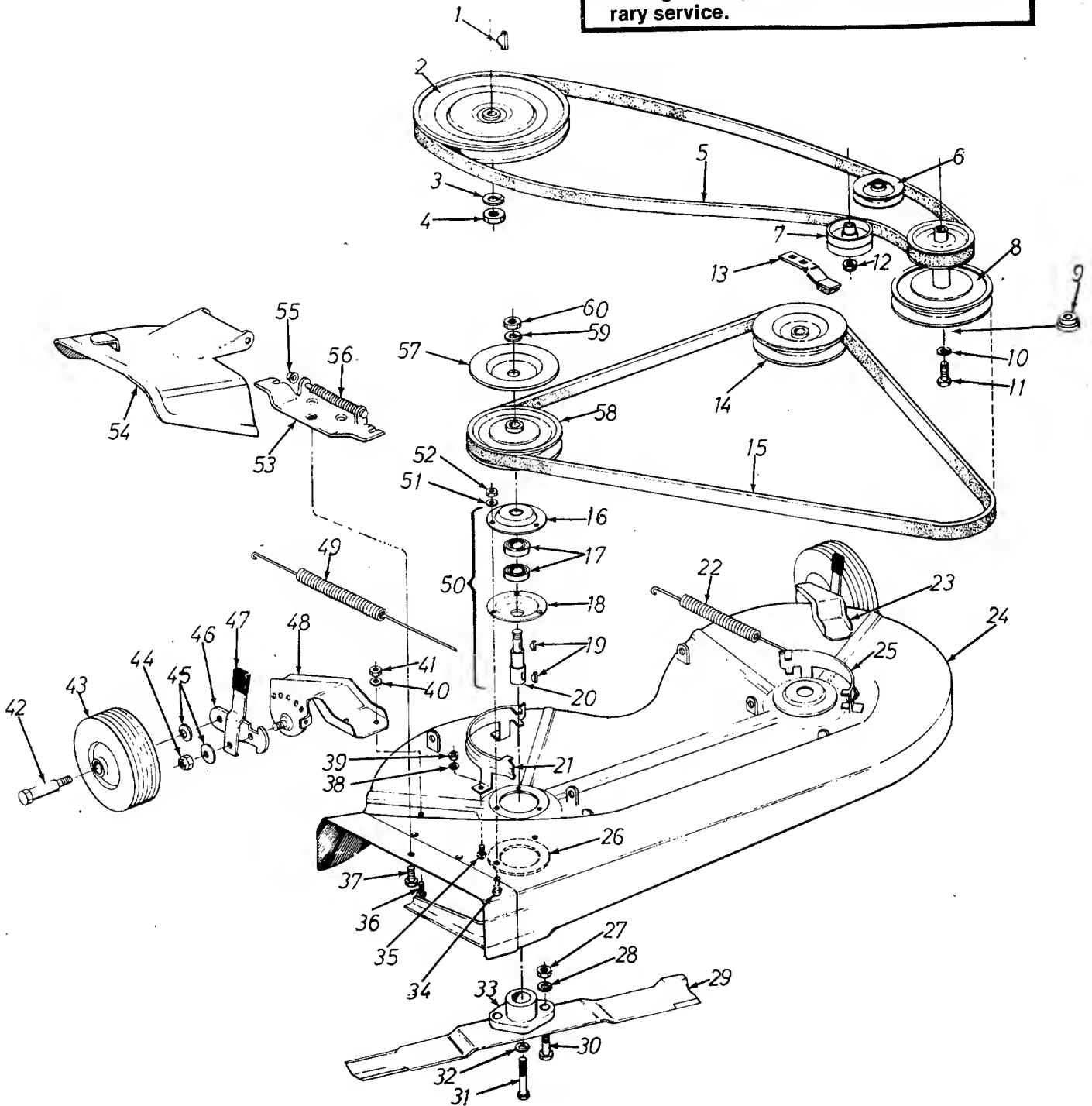


# 136-390A 136-395A



## IMPORTANT

Belts listed by Part Number are of special construction and should be used when replacement is necessary. The dimensions and description given are for general reference only and belts purchased by description and dimension generally will only provide temporary service.



# **PARTS LIST FOR MODELS 136-390A AND 136-395A**

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	714-0129		#4 Hi-Pro Key 3/32 x 5/8" Dia. (Four Speed)		31	710-0459		Hex Hd. Cap Scr. 3/8-24 x 1.50" H.T.	
2	756-0174		Transmission Split Pulley .50 I.D.		32	736-0217		L-Wash. 3/8" Scr. H.D.	
3	736-0921		L-Wash. 1/2" Scr. *		33	10769		Blade Adapter Kit	
4	712-0922		Hex Jam Nut 1/2-20 Thd.		34	710-0322		Hex Sems Cap Scr. 5/16-18 x 1.00" Lg. * (3 Req'd.)	
5	754-0198		"V" Belt 1/2 x 62" Lg. (Drive Belt)		35	710-0289		Hex Hd. Cap Scr. 1/4-20 x .50" Lg. *	
6	756-0116		"V" Idler 3.06 O.D.		36	710-0289		Hex Hd. Cap Scr. 1/4-20 x .50" Lg. *	
7	756-0217		"P" Flat Idler 2.75 O.D.		37	710-0195		Hex Hd. Cap Scr. 1/4-28 x .62" Lg. (3 Req'd.)	
8	756-0246		Two Step Engine Pulley		38	736-0329		L-Wash. 1/4" Scr. *	
9	711-0572		Step Washer for Engine Pulley		39	712-0287		Hex Nut 1/4-20 Thd. *	
10	736-0217		L-Wash. 3/8" Scr. *		40	736-0329		L-Wash. 1/4" Scr. *	
11	710-0151		Hex Hd. Cap Scr. 3/8-24 x 2.00" Lg. *		41	712-0287		Hex Nut 1/4-20 Thd. *	
12	712-0116		Hex Inserted L-Nut 3/8-24 Thd.		42	738-0119		Axle Bolt .625 Dia. x 1.75	
13	761-0147		Blade Brake Assembly		43	734-0225		Wheel Ass'y.—Comp. 6.0" Dia.	
14	756-0251		Deck Pulley 4.75 O.D. (2 Req'd.)		44	712-0116		Hex Inserted L-Nut 3/8-24 Thd.	
15	754-0167		"Y" Belt 21/32 x 64" Lg. (Blade Belt)		45	736-0242		Belleville Wash. .345 I.D. x .88 O.D.	
16	08253		Housing—Bearing		46	10937		Wheel Pivot Bar	
17	741-0919		Ball Brg. .787 I.D. x 1.85 O.D.		47	10949		Spring Lever Ass'y. with Knob	
18	08253		Housing—Bearing		48	11236		Wheel Brkt Ass'y. R.H.	
19	714-0365		#6 Hi-Pro Key 5/32 x 5/8" Dia.		49	732-0307		Deck Spring	
20	711-0255		Blade Spindle		50	09321		Blade Spindle Ass'y.—Comp.	
21	12673		Belt Guard R.H.—Deck		51	736-0119		L-Wash. 5/16" Scr. *	
22	732-0307		Deck Spring		52	712-0267		Hex Nut 5/16-18 Thd.	
23	11237		Wheel Bracket Ass'y.—L.H.		53	11399		Adapter Plate Ass'y.	
24	12670		30 In. Deck Assembly		54	11574		Chute Cover Ass'y.	
25	12672		Belt Guard L.H.—Deck		55	726-0106		Push Nut 1/4" Rod	
26	09164		Deck Reinforcement Plate		56	732-0261		Torsion Spring	
27	712-0123		Hex Nut 5/16-24 Thd. *		57	09322		Blade Brake—Disc	
28	736-0119		L-Wash. 5/16" Scr. *		58	756-0251		Deck Pulley 4.75 O.D. (2 Req'd.)	
29	742-0118		15 In. Blade (2 Req'd.)		59	736-0158		L-Wash. 5/8" Scr. *	
30	710-0117		Hex Hd. Cap Scr. 5/16-24 x 1.00" H.T.		60	712-0242		Hex Jam Nut 5/8-11 Thd.	

\*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

(462—Red Flake)

When ordering parts if color or finish is important, use color code shown at left. (Red Flake Finish—11001 (462)).

NOTE: This instruction manual covers various models and all accessories shown do not necessarily apply to your model mower.

The engine is not under warranty by the mower manufacturer. If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines — Gasoline."

**Find It Fast  
In The  
Yellow Pages**



## WHEEL CHART

### FRONT WHEEL

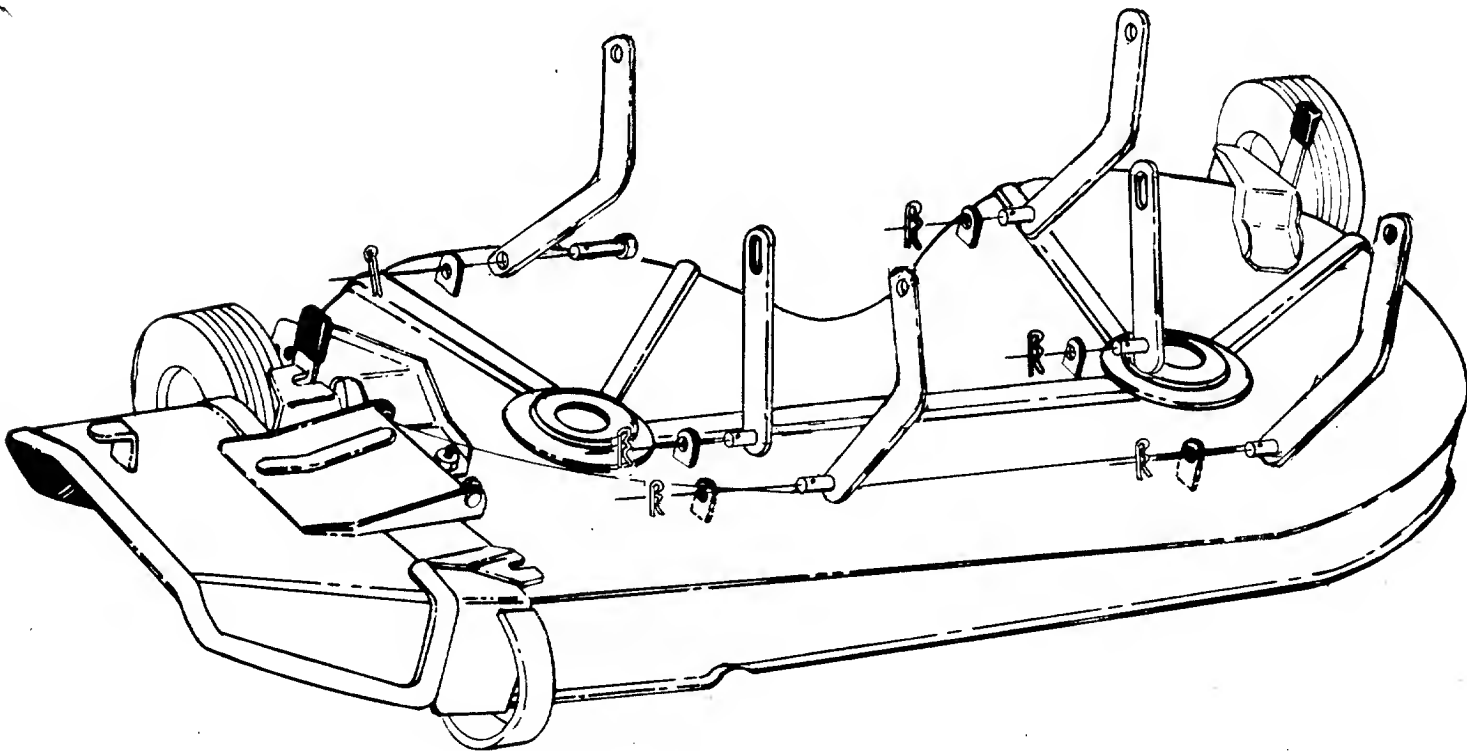
### REAR WHEEL

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
734-0488	Wheel Ass'y. Comp. 10.25 x 3.25 11.0 x 4.0	734-0524	Wheel Ass'y. Comp. 15.00 x 6.00
748-0184	Flange Bearing w/Flats .630" I.D.	734-0521	Rim Ass'y. with Hub
		734-0427	Tire Only Tubeless 15.00 x 6.00
		734-0255	Air Valve

## DECK LINKAGE

### NOTE

Refer to illustration below for proper deck link hook-up. If the deck is removed for any reason use the illustration below for correct assembly.



# PARTS INFORMATION

## POWER EQUIPMENT PARTS AND SERVICE

Parts and service for all MTD manufactured power equipment are available through the authorized service firms listed below. All orders should specify the model number of your unit, parts numbers, description of parts and the quantity of each part required.

<b>ALABAMA</b>	<b>BIRMINGHAM</b>
Auta Electric & Carburetor Co.	2625 4th Ave. S. .... 35233
<b>ARKANSAS</b>	<b>NORTH LITTLE ROCK</b>
Suttan's Lawn Mower Shop	..... Rt. 4, Box 368 ..... 72117
	<b>FORT SMITH</b>
Mity Mite Motors, Inc.	..... 2515 Towson Ave. .... 72901
<b>CALIFORNIA</b>	<b>SAN BERNARDINO</b>
Lawn Mower Supply Co.	..... 25608 E. Baseline .... 92410
	<b>SAN FRANCISCO</b>
J.W. Jewett Co.	..... 981 Folsom St. .... 94107
	<b>SACRAMENTO</b>
Luttig & Severson	..... 2030 28th St. .... 95818
<b>COLORADO</b>	<b>DENVER</b>
South Denver Lawn Equip.	..... 527 West Evans ..... 80223
<b>CONNECTICUT</b>	<b>SUFFIELD</b>
The Janes & Ramsey Co.	..... 850 Thompsonville Rd. 06078
<b>FLORIDA</b>	<b>JACKSONVILLE</b>
Radco Distributors	..... 2403 Market St. .... 32206
	<b>CORAL GABLES</b>
Maz-All of Florida, Inc.	..... 365 Greco Ave. .... 33146
<b>GEORGIA</b>	<b>EAST POINT</b>
East Point Cycle & Key	..... 2834 Church St. .... 30344
<b>ILLINOIS</b>	<b>LYONS</b>
Keen Edge Co.	..... 8615 Ogden Ave. .... 60534
<b>INDIANA</b>	<b>ELKHART</b>
Parts & Sales Inc.	..... 2101 Industrial Pkwy. ..46514
	<b>CORYDON</b>
Brown Equip. Dist., Inc.	..... 110 Beech St. ....47112
<b>IOWA</b>	<b>DUBUQUE</b>
Pawer Lawn & Garden Equip.	..... 2551 J.F. Kennedy .... 52001
<b>KANSAS</b>	<b>WICHITA</b>
Hixan, Inc.	..... 3030 Mascot ..... 67204
<b>LOUISIANA</b>	<b>NEW ORLEANS</b>
Suhren Engine Co.	..... 8330 Earhart Blvd. .... 70118
<b>MARYLAND</b>	<b>TAKOMA PARK</b>
Center Supply Co.	..... 6867 New Hampshire Ave. 20012
<b>MASSACHUSETTS</b>	<b>SPRINGFIELD</b>
Mortan B. Collins Co.	..... 300 Birnie Ave. .... 01107
<b>MICHIGAN</b>	<b>MOUNT CLEMENS</b>
Pawer Equipment Dist.	..... 36463 South Gratiot... 48043
	<b>LANSING</b>
Lorenz Service Co.	..... 2500 S. Pennsylvania.. 48900
<b>MINNESOTA</b>	<b>MINNETONKA</b>
Hance Distributing Inc.	..... 11212 Wayzata Blvd. ..55343
<b>MISSISSIPPI</b>	<b>BILOXI</b>
Bilaxi Sales & Service, Inc.	..... 506 Caillouet St. .... 39533
<b>MISSOURI</b>	<b>KANSAS CITY</b>
Automotive Equip. Service	..... 3117 Holmes St. .... 64109
	<b>ST. LOUIS</b>
Henzler, Inc.	..... 2015 Lemay Ferry Rd. 63125
<b>NEBRASKA</b>	<b>OMAHA</b>
R.P.W., Inc.	..... 7402 "L" St. .... 68127

## BRIGGS & STRATTON, TECUMSEH AND PEERLESS PARTS AND SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing *Engines* — *Gasoline*, Briggs & Stratton or Tecumseh Louson —

<b>NEW YORK</b>	<b>CARTHAGE</b>
Gamble Dist., Inc.	..... West End Ave. .... 13619
	<b>SYRACUSE</b>
Kimber's, Inc.	..... 115 N. Geddes St. .... 13204
	<b>ROCHESTER</b>
Henry W. O'Neil & Associates	..... 410 N. Goodman St. ... 14609
<b>NORTH CAROLINA</b>	<b>GREENSBORO</b>
Dixie Sales Company	..... 327 Battleground Ave.. 27402
	<b>GOLDSBORO</b>
Smith Hardware Co.	..... 515 N. George St. .... 27530
<b>OHIO</b>	<b>WADSWORTH</b>
National Central	..... 687 Seville Rd. .... 44281
	<b>CLEVELAND</b>
Bleckrie, Inc.	..... 7900 Larain Ave. .... 44102
	<b>CARROL</b>
Stebe's Mid-State Mower Supply	Box 366 ..... 43112
	<b>WILLARD</b>
Sunshine Wholesale Tire Outlet	Route 224 ..... 44890
	<b>MANSFIELD</b>
McClure Lawn & Garden Supply	..... 1114 Lexington Ave. . 44903
<b>OKLAHOMA</b>	<b>MUSKOGEE</b>
Victory Motors, Inc.	..... 605 S. Cherokee ..... 74401
	<b>ADA</b>
Ada Auto Supply	..... 301 E. 12th St. .... 74820
<b>OREGON</b>	<b>PORTLAND</b>
Kentan Supply Co.	..... 8216 N. Denver Ave. . 97217
<b>PENNSYLVANIA</b>	<b>LANCASTER</b>
Raub Supply Co.	..... James & Mulberry Sts...17604
	<b>PITTSBURGH</b>
Bluemant Co.	..... 11125 Frankstown Rd.. 15235
<b>TENNESSEE</b>	<b>KNOXVILLE</b>
Master Repair Service	..... 2423 Broadway, N.E. ..37917
	<b>MEMPHIS</b>
Memphis Cycle & Supply Co.	..... 421 Monroe Ave. .... 38103
American Sales & Service, Inc.	..... 1922 Lynnbrook ..... 38117
<b>TEXAS</b>	<b>DALLAS</b>
Marr Brothers, Inc.	..... 423 E. Jefferson ..... 75203
	<b>HOUSTON</b>
Bullard Supply Co.	..... 2409 Commerce St. .... 77003
	<b>SAN ANTONIO</b>
Cotto & Putty, Inc.	..... P.O. Box 2408 .....78206
	<b>FORT WORTH</b>
Woodson Sales Corp.	..... 1702 N. Sylvania .....76111
<b>UTAH</b>	<b>SALT LAKE CITY</b>
A-1 Engine & Mower Co.	..... 437 E. 9th St. ....84111
<b>VERMONT</b>	<b>BURLINGTON</b>
Vermont Appliance Co.	..... 44 Lakeside Ave. ....05401
<b>VIRGINIA</b>	<b>RICHMOND</b>
RBI Corp.	..... 963 Myers St. .... 23260
<b>WASHINGTON</b>	<b>SEATTLE</b>
Bailey's Rebuild, Inc.	..... 1325 E. Madison St. ...98102
<b>WEST VIRGINIA</b>	<b>CHARLESTON</b>
Young's, Inc.	..... 233 Virginia St., E. ... 25301
<b>WISCONSIN</b>	<b>APPLETON</b>
Automotive Supply Co.	..... 123 S. Linwood Ave. ..54911

## WARRANTY PARTS AND SERVICE POLICY

The purpose of warranty is to protect the customer from defects in workmanship and materials, defects which are NOT detected at the time of manufacture. It does not provide for the unlimited and unrestricted replacement of parts. Use and maintenance are the responsibility of the customer. The manufacturer cannot assume responsibility for conditions over which it has no control. Simply put, if it's the manufacturer's fault, it's the manufacturer's responsibility; if it's the customer's fault, it's the customer's responsibility.

### CLAIMS AGAINST THE MANUFACTURER'S WARRANTY INCLUDES

1. Replacement of Missing Parts on new equipment.
2. Replacement of Defective Parts within the warranty period.
3. Repair of Defects within the warranty period.

All claims MUST be substantiated with the following information:

1. Model Number of unit involved.
2. Date unit was purchased or first put into service.
3. Date of failure.
4. Nature of failure.